STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO: ML-22650	6. SURFACE: State
7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
8. UNIT or CA AGREEMENT NAME: NATURAL BUTTES UNIT	
9. WELL NAME and NUMBER: NBU 922-36NT	
10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES	
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 36 9S 22E S	
12. COUNTY: UINTAH	13. STATE: UTAH

1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐

B. TYPE OF WELL: OIL ☐ GAS ☑ OTHER _____ SINGLE ZONE ☐ MULTIPLE ZONE ☑

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE LP

3. ADDRESS OF OPERATOR: PO BOX 173779 CITY DENVER STATE CO ZIP 80217-3779

PHONE NUMBER: (720) 929-6666

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE: 1118' FSL, 2308' FWL 637559X 4427496Y 39.988342 -109.388834

AT PROPOSED PRODUCING ZONE: SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 54 MILES FROM VERNAL, UTAH

15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)	16. NUMBER OF ACRES IN LEASE:	17. NUMBER OF ACRES ASSIGNED TO THIS WELL:
1118'	640	40
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	**19. PROPOSED DEPTH:**	**20. BOND DESCRIPTION:**
20'	8,622	RLB0005237
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):	**22. APPROXIMATE DATE WORK WILL START:**	**23. ESTIMATED DURATION:**
4996.6		10 DAYS

24. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
12 1/4	9 5/8 J-55 36 LTC	2,200	PREMIUM +2%CaCl	215 SK	1.18	15.60
			20 GAS SODIUM S	100	1018	15.6
7 7/8	4 1/2 1-80 11.6	8,622	PREMIUM LITE II+3%	410	3.38	11.6
			50/50 POZ/G	1370	1.31	14.3

25. ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ☑ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
- ☑ COMPLETE DRILLING PLAN
- ☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) RALEEN WHITE TITLE SR. REGULATORY ANALYST

SIGNATURE Raleen White DATE 6/3/2008

(This space for State use only)

API NUMBER ASSIGNED: 43-047-40118

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 08-13-08

By: _____

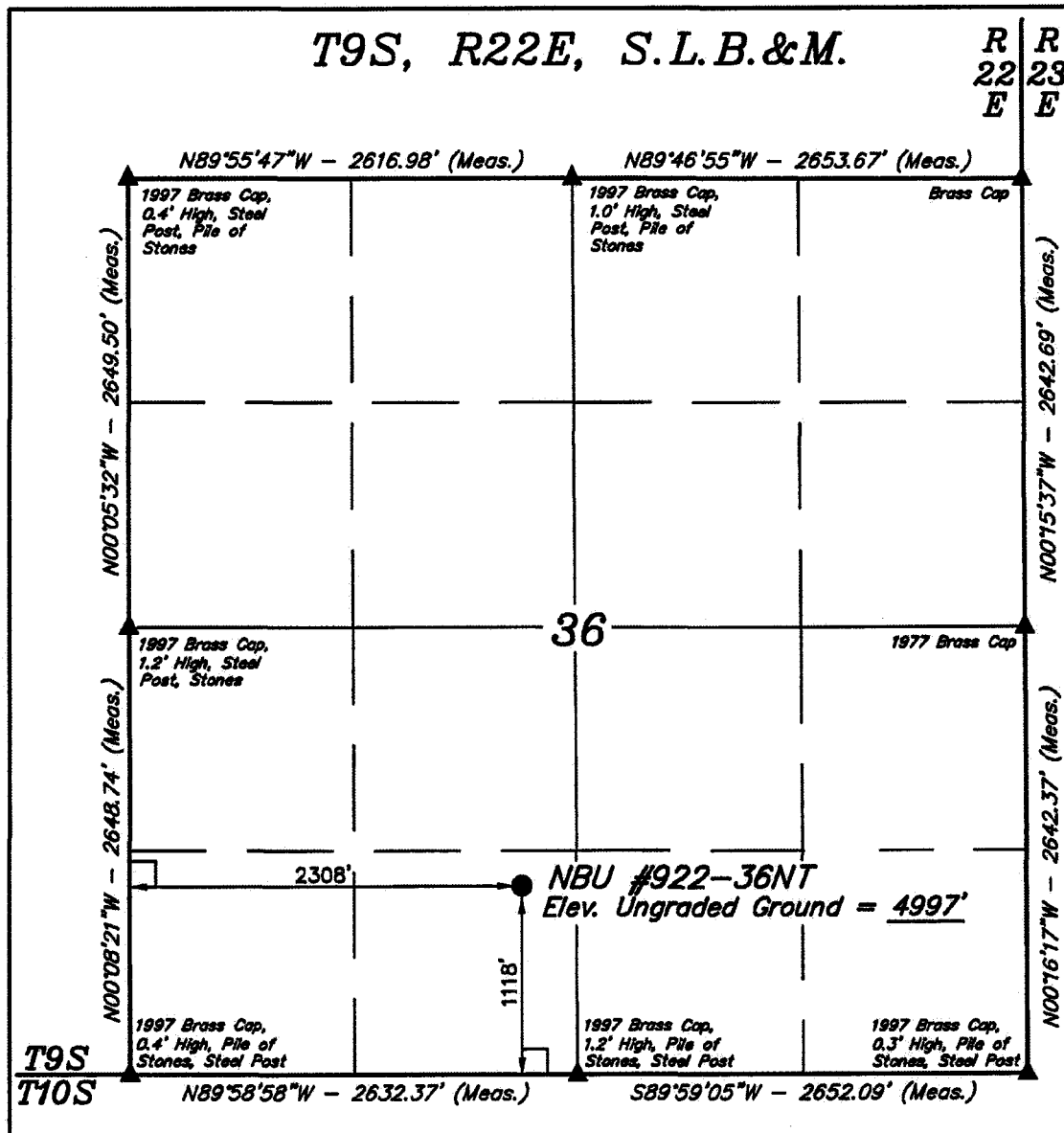
(See Instructions on Reverse Side)

RECEIVED
JUN 05 2008
DIV. OF OIL, GAS & MINING

(11/2001)

KERR McGEE OIL & GAS ONSHORE LP

Well location, NBU #922-36NT, located as shown in the SE 1/4 SW 1/4 of Section 36, T9S, R22E, S.L.B.&M. Uintah County, Utah.

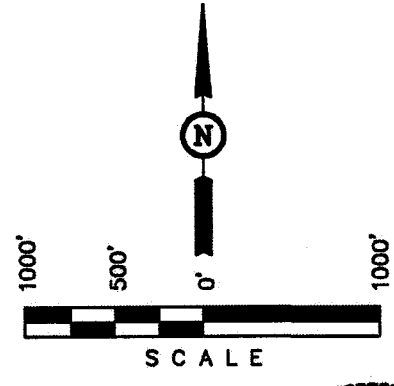


BASIS OF ELEVATION

BENCH MARK (20EAM) LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

(NAD 83)
LATITUDE = 39°59'17.90" (39.988306)
LONGITUDE = 109°23'22.15" (109.389486)
(NAD 27)
LATITUDE = 39°59'18.02" (39.988339)
LONGITUDE = 109°23'19.70" (109.388806)

LEGEND:

- ∟ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	5-14-08	5-20-08
PARTY: D.K. C.K. C.P.	REFERENCES: G.L.O. PLAT	
WEATHER: WARM	FILE: Kerr McGee Oil & Gas Onshore LP	

NBU 922-36NT
SESW, SECTION 36, T9S, R22E
UINTAH COUNTY, UTAH
ML-22650

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

Formation	Depth
Uinta	0- Surface
Green River	1192'
Birds Nest	1412'
Mahogony	1784'
Wasatch	4219'
Mesaverde	7436'
TD	8622'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

Substance	Formation	Depth
	Green River	1192'
Water	Birds Nest	1412'
Water	Mahogony	1784'
Gas	Wasatch	4219'
Gas	Mesaverde	7436'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

Please refer to the attached Drilling Program.

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program.

5. **Drilling Fluids Program:**

Please refer to the attached Drilling Program.

6. **Evaluation Program:**

Please refer to the attached Drilling Program.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 8622' TD, approximately equals 5346 psi (calculated at **0.62 psi/foot**).

Maximum anticipated surface pressure equals approximately 3449 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at **0.22** psi/foot).

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

9. Variances:

Please refer to the attached Drilling Program.

10. Other Information:

Please refer to the attached Drilling Program.

KerrMcGee

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP			DATE	June 3, 2008		
WELL NAME	**NBU 922-36NT**			TD	8,622' MD/TVD		
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah	ELEVATION	4,997' GL	KB 5,012'	
SURFACE LOCATION	1118' FSL, 2308' FWL					BHL	Straight Hole
NAD 83	Latitude: 39.988306	Longitude: 109.389486					
OBJECTIVE ZONE(S)	Wasatch/Mesaverde						
ADDITIONAL INFO	Regulatory Agencies: BLM (SURF & MINERALS), UDOGM, Tri-County Health Dept.						

LOGS	GEOLOGICAL FORMATION TOPS	DEPTH	MECHANICAL HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'	14"		
			12-1/4"	9-5/8", 36#, J-55, LTC	Air mist
Catch water sample, if possible, from 0 to 4,219'	Green River @	1,192'			
	Top of Birds Nest Water @	1,412'			
	Preset f/ GL @	2,200' MD			
	Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the acutal depth of the loss zone.				
	Mahogany @	1,784'			
Mud logging program TBD Open hole logging program f/ TD - surf csg			7-7/8"	4-1/2",11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-11.6 ppg
	Wasatch @	4,219'			
	Mverde @	6,546'			
	MVU2 @	7,436'			
	MVL1 @	7,986'			
	TD @	8,622'			Max anticipated Mud required 11.6 ppg

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL			WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'								
								3520	2020	453000
SURFACE	9-5/8"	0	to	2,200'	36.00	J-55	LTC	1.07	1.96	6.53
								7780	6350	201000
PRODUCTION	4-1/2"	0	to	8622	11.60	I-80	LTC	2.35	1.22	2.30

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 11.6 ppg) .22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 3304 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ .25 pps flocele				
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt	100		15.60	1.18
			+ 2% CaCl + .25 pps flocele				
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE			NOTE: If well will circulate water to surface, option 2 will be utilized				
Option 2	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite	230	35%	11.60	3.82
			+.25 pps Flocele + 3% salt BWOC				
	TAIL	500	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ .25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,712'	Premium Lite II + 3% KCl + 0.25 pps	410	60%	11.60	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	4,910'	50/50 Poz/G + 10% salt + 2% gel	1370	60%	14.30	1.31
			+.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____ **DATE:** _____

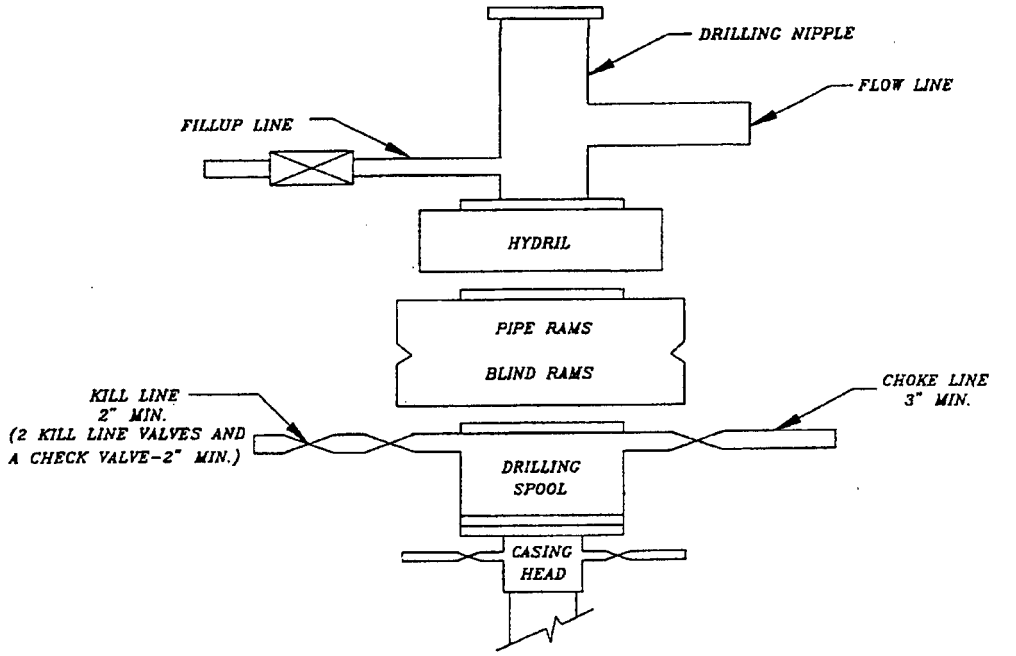
Brad Laney

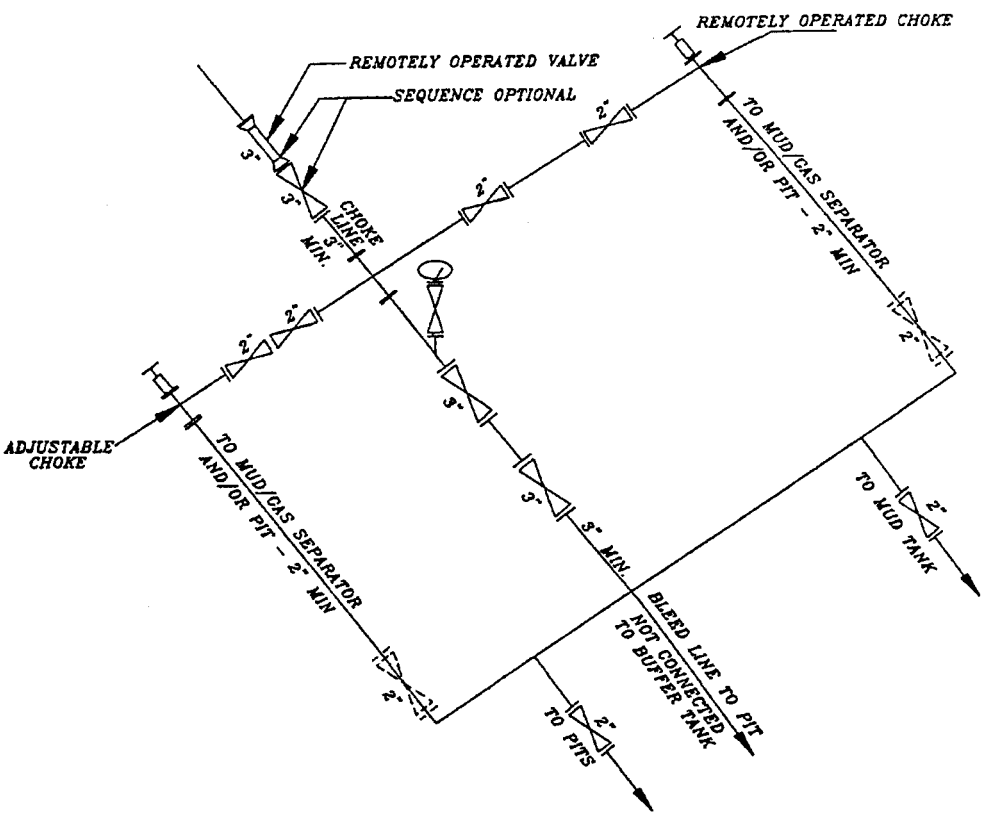
DRILLING SUPERINTENDENT: _____ **DATE:** _____

Randy Bayne

dhd 922-36NT

5M BOP STACK and CHOKE MANIFOLD SYSTEM





NBU 922-36NT
SESW SEC 36-T9S-R22E
Uintah County, UT
ML-22650

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. **Planned Access Roads:**

No new access road is proposed. Refer to Topo Map B for the location of existing access road.

The upgraded portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet. Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

3. **Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities:**

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or

installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

No new pipeline is proposed for this location.

5. **Location and Type of Water Supply:**

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. **Source of Construction Materials:**

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. **Methods of Handling Waste Materials:**

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner and felt will be used, it will be a minimum of 20 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled By truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E , Pipeline Facility Sec. 36, T9S, R20E,Goat Pasture Evaporation Pond SW/4 Sec. 16, T10S, R22E, Bonanza Evaporation Pond Sec. 2, T10S, R23E

8. **Ancillary Facilities:**

None are anticipated.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

The reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. Plans for Reclamation of the Surface:

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

A plastic, nylon reinforced liner will be used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. Surface and Mineral Ownership:

SITLA
675 East 500 South, Suite 500
Salt Lake City, UT 84102

12. Other Information:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey has been completed and is attached.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it Within 460' of any non-committed tract lying within the boundaries of the Unit.

13. **Lessee's or Operators's Representative & Certification:**

Raleen White
Sr. Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6666

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435)781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by State Surety Bond #RLB0005236.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Raleen White

Raleen White

Date 6-3-2008

Kerr-McGee Oil & Gas Onshore LP
NBU #922-36NT
SECTION 36, T9S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 3.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 1.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN NORTHWESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 54.1 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #922-36NT

LOCATED IN UINTAH COUNTY, UTAH
SECTION 36, T9S, R22E, S.L.B.&M.

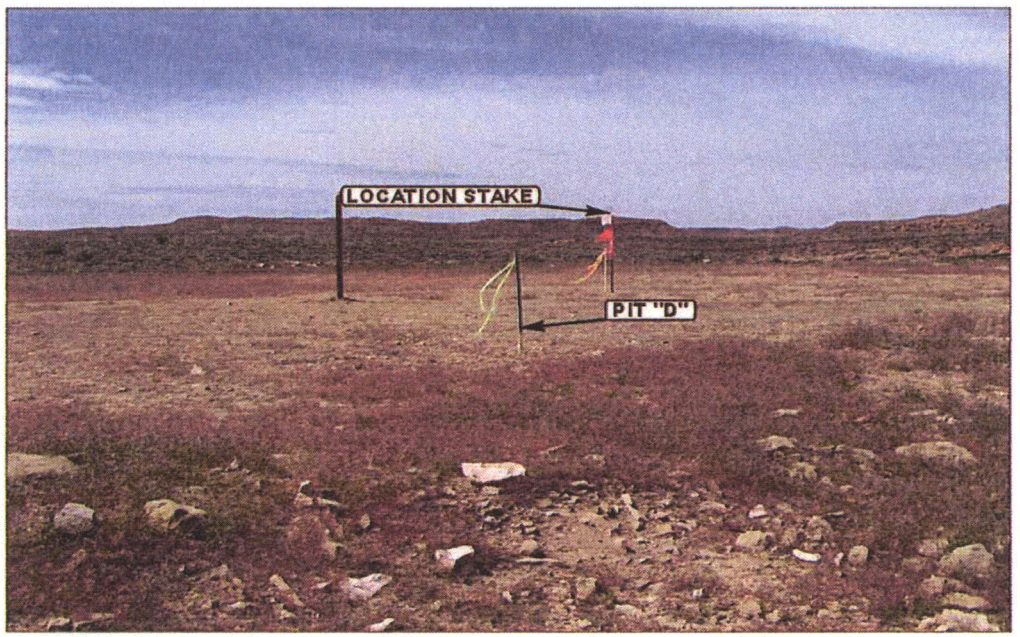


PHOTO: VIEW FROM PIT "D" TO LOCATION STAKE **CAMERA ANGLE: NORTHEASTERLY**

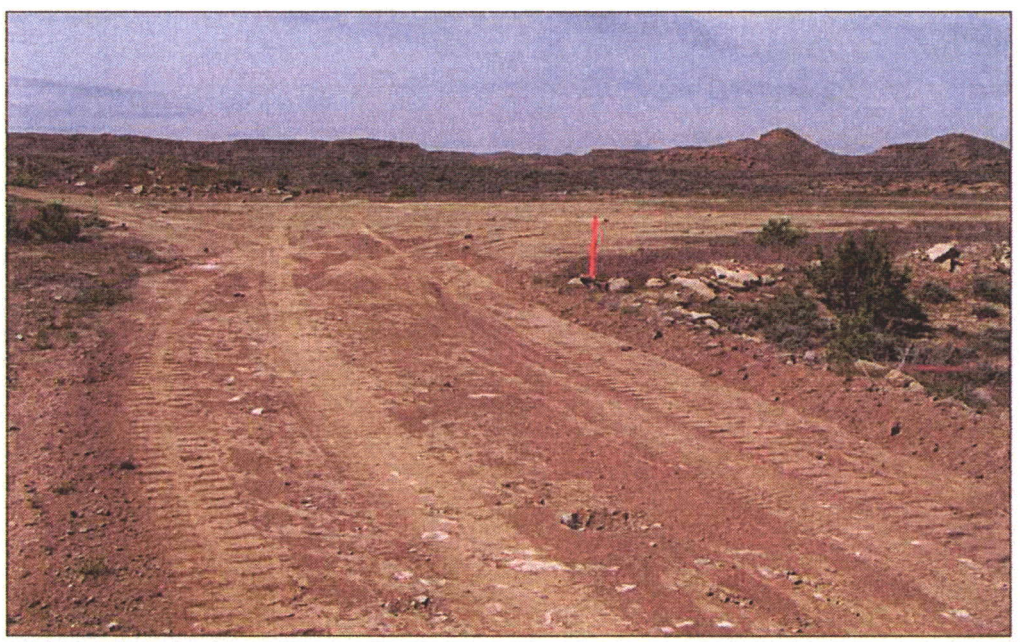


PHOTO: VIEW OF EXISTING ACCESS **CAMERA ANGLE: SOUTHWESTERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	05 MONTH	20 DAY	08 YEAR	PHOTO
TAKEN BY: D.K.	DRAWN BY: C.P.	REVISED: 00-00-00		

Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

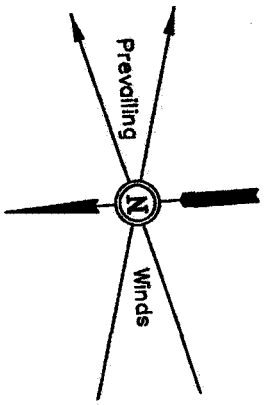
LOCATION LAYOUT FOR

NBU #922-36NT

SECTION 36, T9S, R22E, S.L.B.&M.

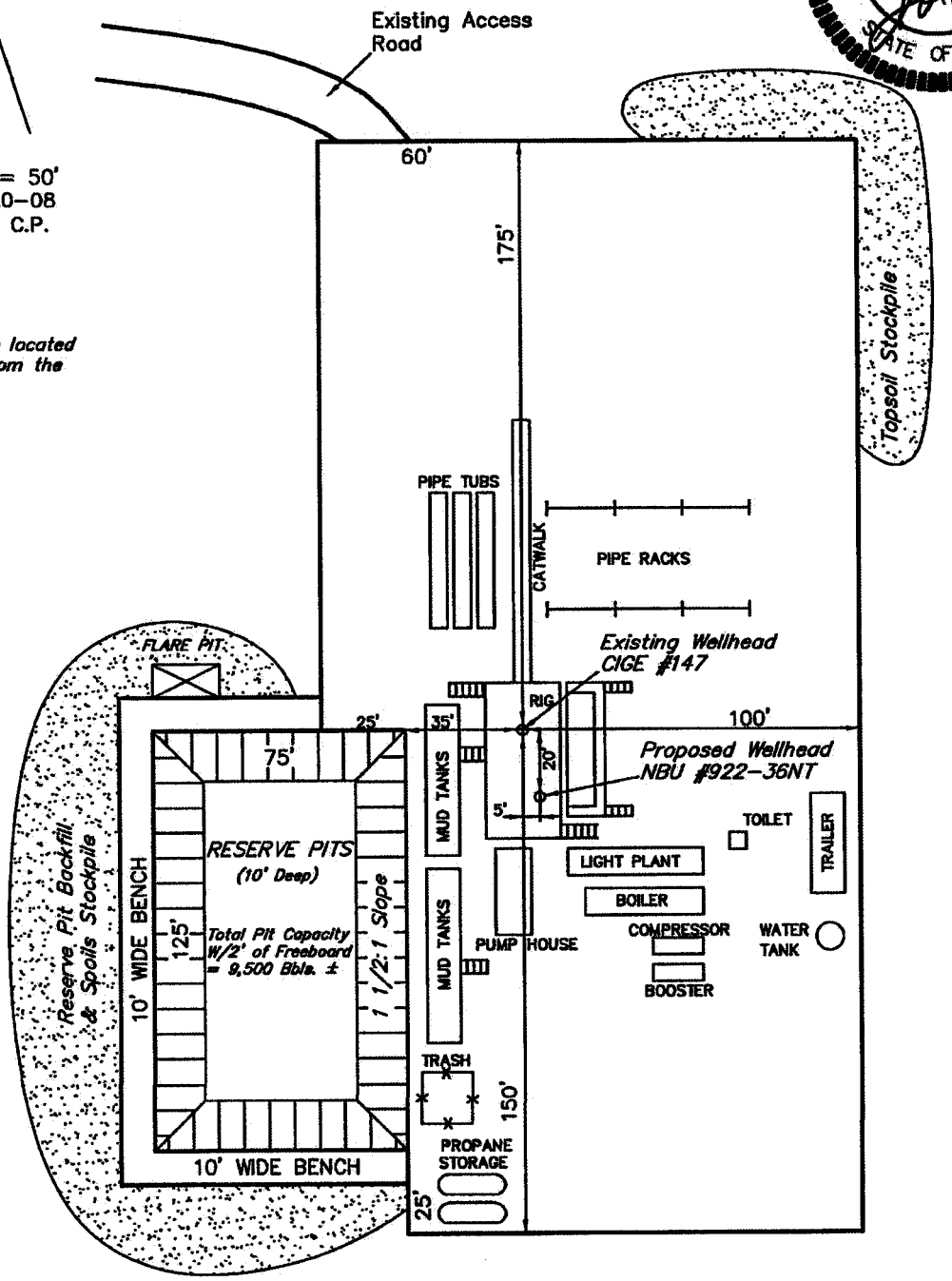
1118' FSL 2308' FWL

REGISTERED LAND SURVEYOR No. 161319 ROBERT L. KAY STATE OF UTAH



SCALE: 1" = 50'
DATE: 5-20-08
Drawn By: C.P.

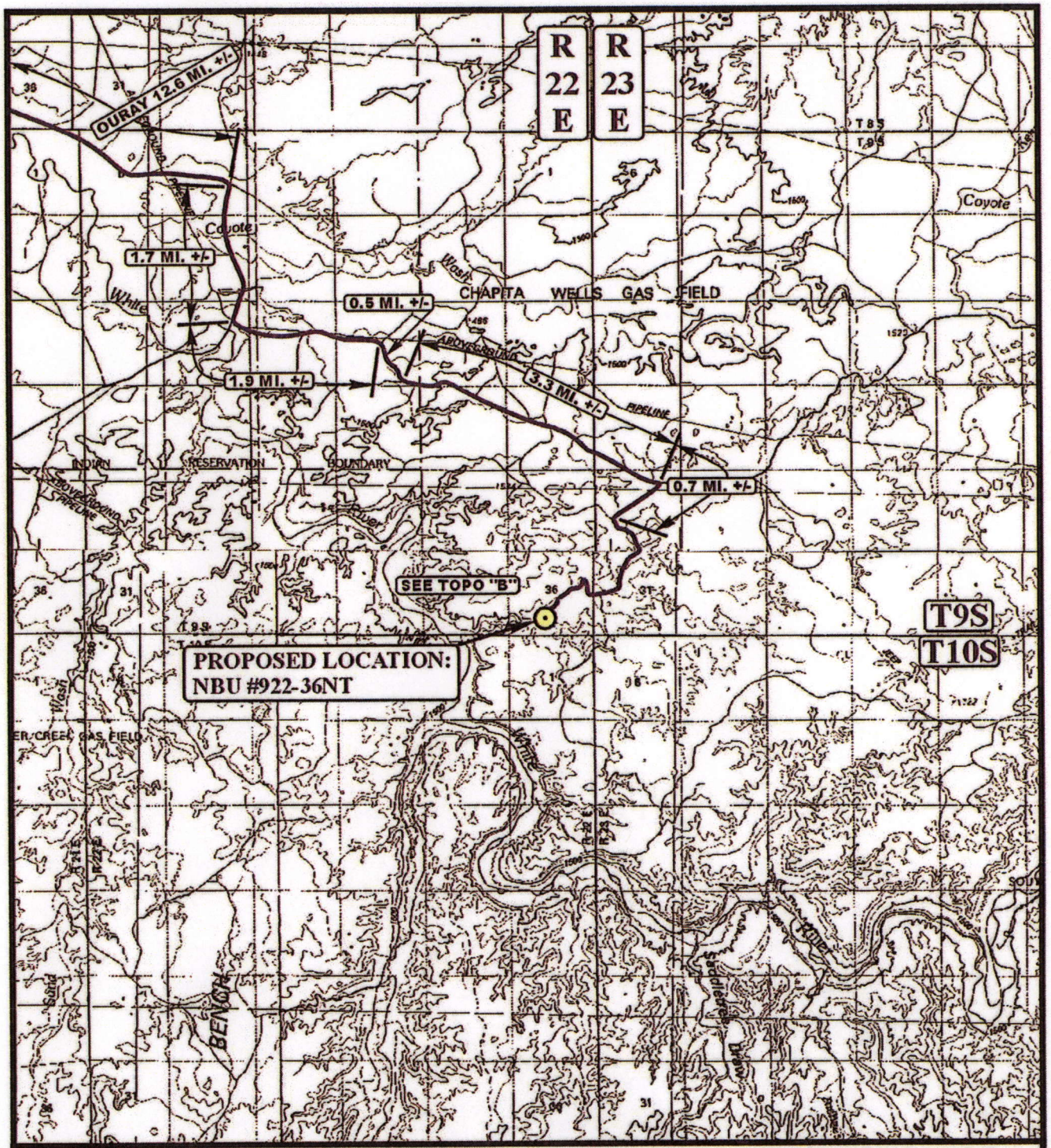
NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.



NOTES:

FINISHED GRADE ELEV. AT LOC. STAKE = 4996.6'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017



LEGEND:

⊙ PROPOSED LOCATION

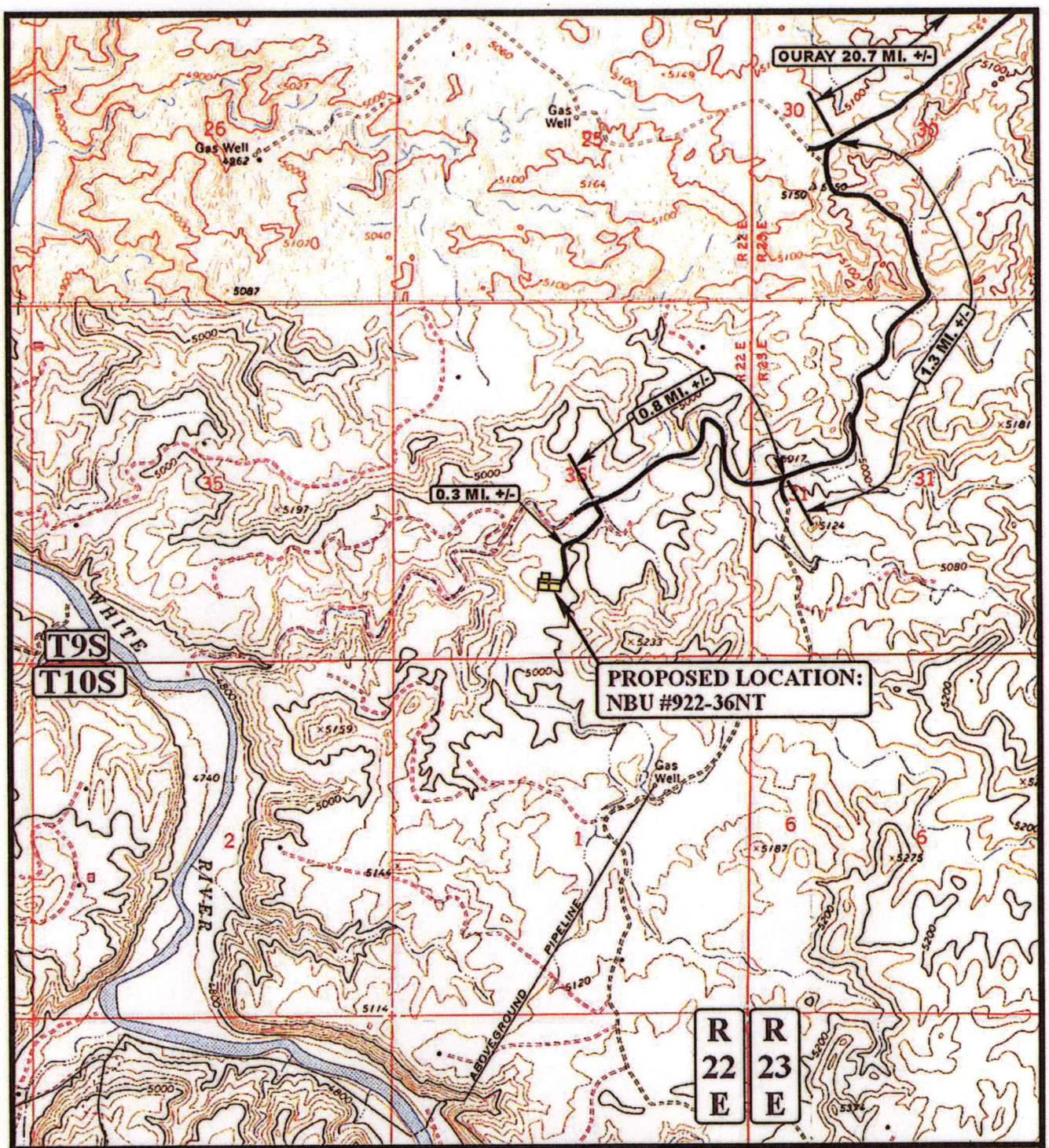
N

Kerr-McGee Oil & Gas Onshore LP

NBU #922-36NT
SECTION 36, T9S, R22E, S.L.B.&M.
1118' FSL 2308' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	20 DAY	08 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

EXISTING ROAD

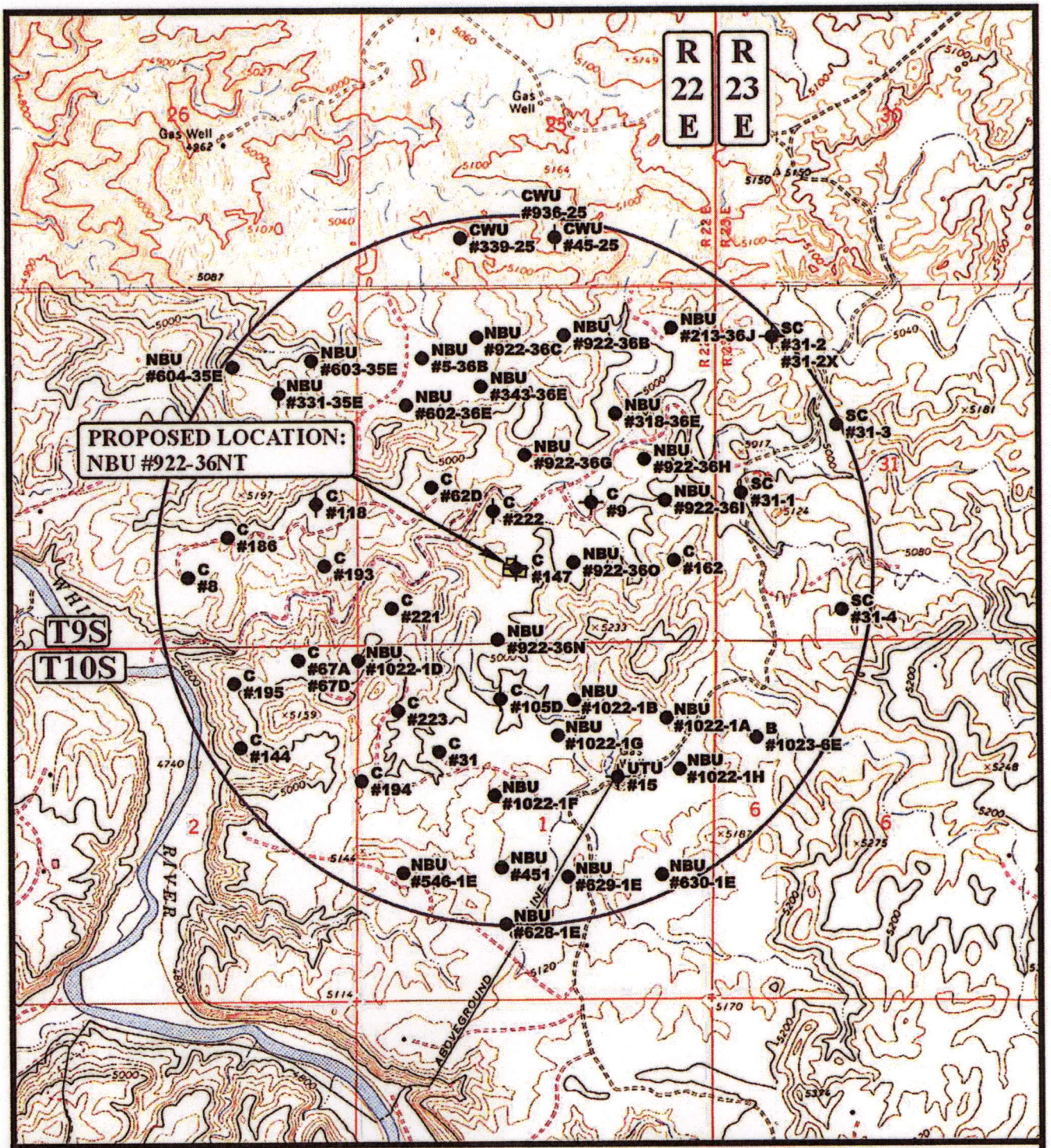
N

Kerr-McGee Oil & Gas Onshore LP

NBU #922-36NT
SECTION 36, T9S, R22E, S.L.B.&M.
1118' FSL 2308' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	20 DAY	08 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

Kerr-McGee Oil & Gas Onshore LP

NBU #922-36NT
SECTION 36, T9S, R22E, S.L.B.&M.
1118' FSL 2308' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	20 DAY	08 YEAR	C TOPO
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 00-00-00		

WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/05/2008

API NO. ASSIGNED: 43-047-40118

WELL NAME: NBU 922-36NT

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 720-929-6666

CONTACT: RALEEN WHITE

PROPOSED LOCATION:

SESW 36 090S 220E

SURFACE: 1118 FSL 2308 FWL

BOTTOM: 1118 FSL 2308 FWL

COUNTY: UINTAH

LATITUDE: 39.98834 LONGITUDE: -109.3888

UTM SURF EASTINGS: 637559 NORTHINGS: 4427496

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DKD	7/16/08
Geology		
Surface		

LEASE TYPE: 3 - State

LEASE NUMBER: ML-22650

SURFACE OWNER: 3 - State

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[] Ind[] Sta[] Fee[]
(No. 22013542)

N Potash (Y/N)

Y Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. 43-8496)

N RDCC Review (Y/N)
(Date:)

NA Fee Surf Agreement (Y/N)

NA Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: NATURAL BUTTES

___ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells

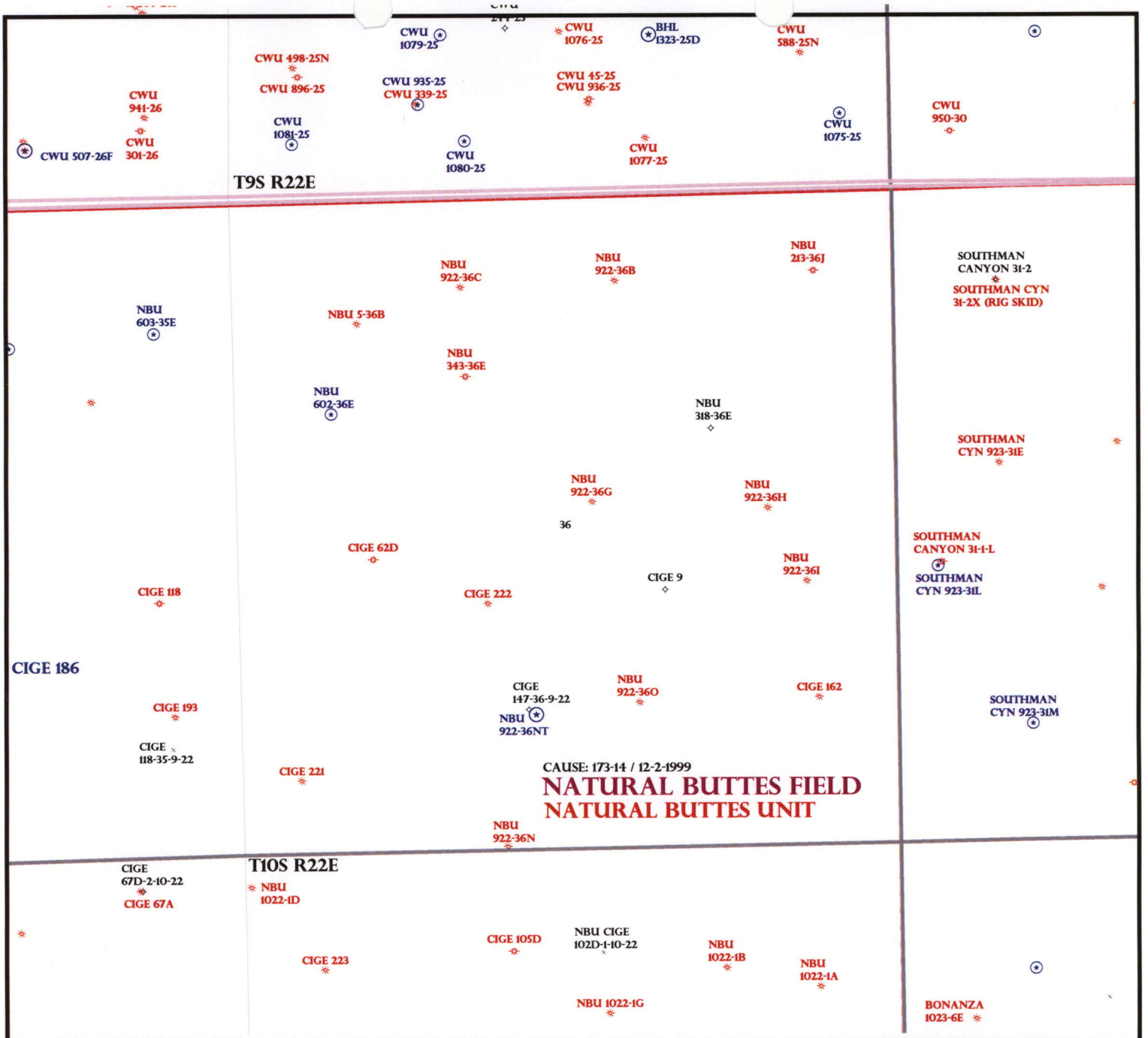
___ R649-3-3. Exception

✓ Drilling Unit
Board Cause No: 173-14
Eff Date: 12-2-1999
Siting: 460' fr ubdy & uncomm. Tract

___ R649-3-11. Directional Drill

COMMENTS: Needs Presite (06-19-08)

STIPULATIONS: 1- Statement of Basis
2- Oil Shale
3- Surface Csg Cmt Stip



OPERATOR: KERR MCGEE O&G INC (N2995)

SEC: 36 T.9S R. 22E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

UTAH DNR
OIL, GAS & MINING

N
W E
S

PREPARED BY: DIANA MASON
DATE: 09-JUNE-2008

Application for Permit to Drill
Statement of Basis

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
798	43-047-40118-00-00		GW	S	No

Operator	KERR-MCGEE OIL & GAS ONSHORE, L.P.	**Surface Owner-APD**	
Well Name	NBU 922-36NT	**Unit**	NATURAL BUTTES
Field	NATURAL BUTTES	**Type of Work**	
Location	SESW 36 9S 22E S 1118 FSL 2308 FWL	GPS Coord (UTM)	637559E 4427496N

Geologic Statement of Basis

Kerr McGee proposes to set 2,350' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 3,300'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the proposed location . The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The production casing cement should be brought up above the base of the moderately saline ground water in order to isolate it from fresher waters up hole. The proposed casing and cement should adequately protect. Any usable ground water.

Brad Hill	7/3/2008
APD Evaluator	**Date / Time**

Surface Statement of Basis

The proposed NBU 922-36NT is on a location that has been plugged and recently reclaimed. The previous well was the CIGE 147. The reserve pit corner C is within a partial fill. An embankment will be constructed from the reserve pit spoils at this corner. A double 20-mil liner is required. No stability concerns are expected.

Floyd Bartlett	6/18/2008
Onsite Evaluator	**Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A double synthetic liner each with a minimum thickness of 20 mils and an appropriate thickness of felt sub-liner to cushion the liners shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator KERR-MCGEE OIL & GAS ONSHORE, L.P.
Well Name NBU 922-36NT
API Number 43-047-40118-0 **APD No** 798 **Field/Unit** NATURAL BUTTES
Location: 1/4,1/4 SESW **Sec** 36 **Tw** 9S **Rng** 22E 1118 FSL 2308 FWL
GPS Coord (UTM) 637590 4427496 **Surface Owner**

Participants

Floyd Bartlett and David Hackford (DOGM), Jim Davis (SITLA), Raleen White, Kevin McIntyre, Clay Einerson and Tony Kzneck (Kerr McGee) and David Kay (Uintah Engineering and Land Surveying).

Regional/Local Setting & Topography

The proposed NBU 922-36NT is on a location that has been plugged and recently reclaimed. The previous well was the CIGE 147. The reserve pit corner C is within a partial fill. An embankment will be constructed from the reserve pit spoils at this corner. A double 20-mil liner is required. No stability concerns are expected.

Surface Use Plan

Current Surface Use
Existing Well Pad

New Road Miles	Well Pad Width	Well Pad Length	Src Const Material	Surface Formation

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetland

Flora / Fauna

Soil Type and Characteristics

Erosion Issues N

Sedimentation Issues

Site Stability Issues N

Drainage Diverson Required

Berm Required?

Erosion Sedimentation Control Required?

Paleo Survey Run? **Paleo Potental Observed?** **Cultural Survey Run?** **Cultural Resources?**

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	300 to 1320	10
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	<10	0
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0
	Final Score	25 1 **Sensitivity Level**

Characteristics / Requirements

The reserve pit corner C is within a partial fill. An embankment will be constructed from the reserve pit spoils at this corner. A double 20-mil liner is required.

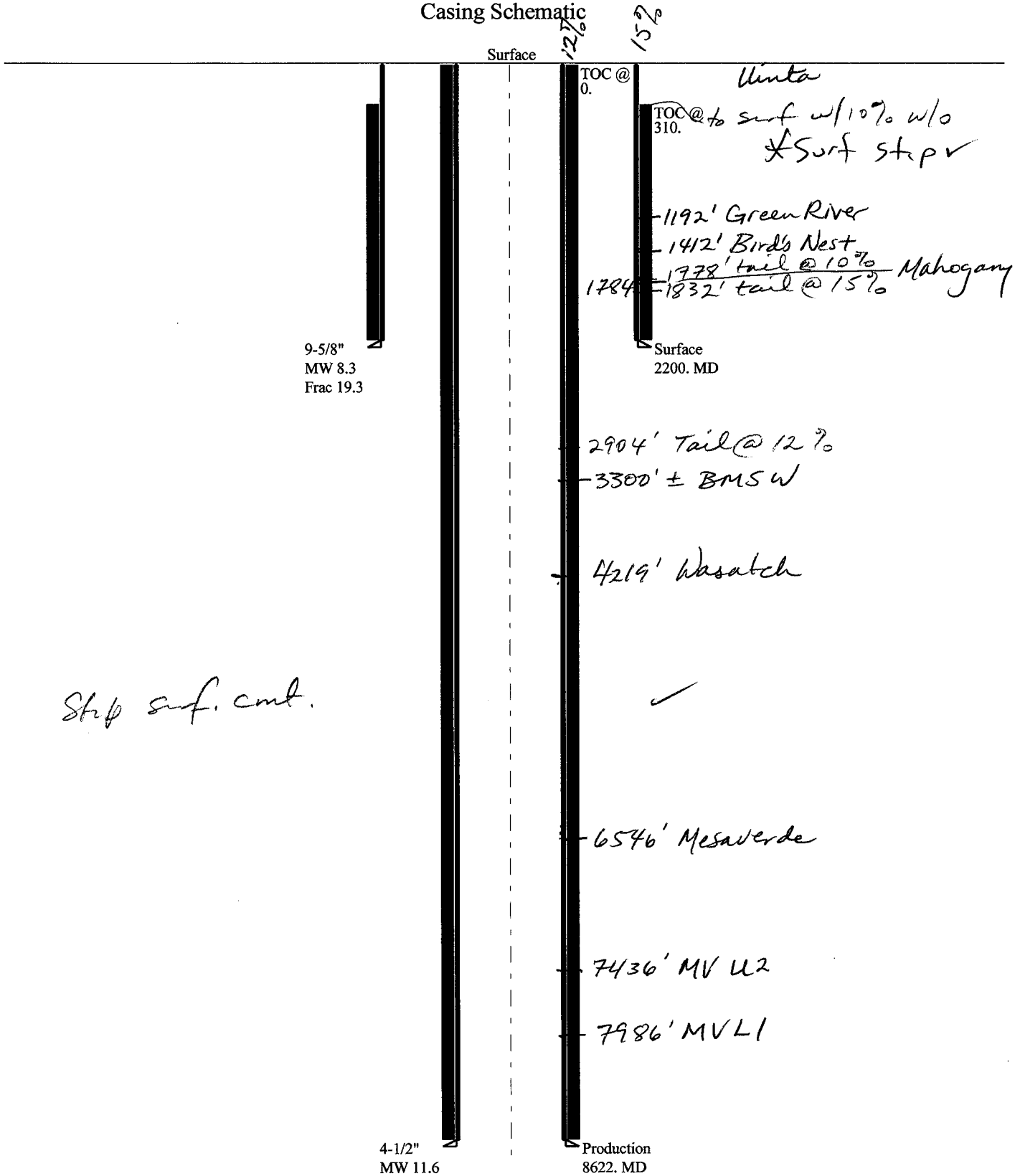
Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 40 **Pit Underlayment Required?** Y

Other Observations / Comments

Floyd Bartlett	6/18/2008
Evaluator	**Date / Time**

2008-07 Kerr McGee NBU 922-36NT

Casing Schematic



Well name:	**2008-07 Kerr McGee NBU 922-36NT**
Operator:	**Kerr McGee Oil & Gas Onshore L.P.**
String type:	Surface
Project ID:	43-047-40118
Location:	Uintah County, Utah

Design parameters:

Collapse

Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 1,936 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,200 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 1,929 ft

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 106 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,300 ft

Cement top: 310 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 8,622 ft
Next mud weight: 11.600 ppg
Next setting BHP: 5,196 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,200 ft
Injection pressure: 2,200 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2200	9.625	36.00	J-55	LT&C	2200	2200	8.796	954.9

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	952	2020	2.122	2200	3520	1.60	69	453	6.52 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: (801) 538-5357
FAX: (801) 359-3940
Date: July 8,2008
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 2200 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**2008-07 Kerr McGee NBU 922-36NT**
Operator:	**Kerr McGee Oil & Gas Onshore L.P.**
String type:	Production
Project ID:	43-047-40118
Location:	Uintah County, Utah

Design parameters:

Collapse

Mud weight:	11.600 ppg
Internal fluid density:	2.300 ppg

Burst

Max anticipated surface pressure:	3,299 psi
Internal gradient:	0.220 psi/ft
Calculated BHP	5,196 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor	1.125

Burst:

Design factor	1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.80 (J)
Buttress:	1.60 (J)
Premium:	1.50 (J)
Body yield:	1.50 (B)

Tension is based on buoyed weight.
Neutral point: 7,127 ft

Environment:

H2S considered?	No
Surface temperature:	75 °F
Bottom hole temperature:	196 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	1,500 ft
Cement top:	Surface

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	8622	4.5	11.60	I-80	LT&C	8622	8622	3.875	752.4

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4165	6360	1.527	5196	7780	1.50	83	212	2.56 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: (801) 538-5357
FAX: (801) 359-3940
Date: July 8,2008
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 8622 ft, a mud weight of 11.6 ppg An internal gradient of .119 psi/ft was used for collapse from TD
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

BOPE REVIEW — Kerr-McGee NBU 922-36NT API 43-047-40118

INPUT

Well Name	Kerr-McGee NBU 922-36NT API 43-047-40118			
	String 1	String 2		
Casing Size (")	9 5/8	4 1/2		
Setting Depth (TVD)	2200	8622		
Previous Shoe Setting Depth (TVD)	40	2200		
Max Mud Weight (ppg)	8.4	11.6		
BOPE Proposed (psi)	500	5000		
Casing Internal Yield (psi)	3520	7780		
Operators Max Anticipated Pressure (psi)	5346	11.9 ppg		

Calculations	String 1	9 5/8 "	
Max BHP [psi]	.052*Setting Depth*MW =	961	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	697	NO -ok. Air Drill to surface shoe with diverter
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	477	YES
			***Can Full Expected Pressure Be Held At Previous Shoe?**
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	486	← NO Reasonable depth - no pressure
Required Casing/BOPE Test Pressure		2200	psi
***Max Pressure Allowed @ Previous Casing Shoe =**		40	psi *Assumes 1psi/ft frac gradient

Calculations	String 2	4 1/2 "	
Max BHP [psi]	.052*Setting Depth*MW =	5201	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	4166	YES ✓
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	3304	YES
			***Can Full Expected Pressure Be Held At Previous Shoe?**
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	3788	← NO OK -
Required Casing/BOPE Test Pressure		5000	psi
***Max Pressure Allowed @ Previous Casing Shoe =**		2200	psi *Assumes 1psi/ft frac gradient

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

June 9, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2008 Plan of Development Natural Buttes Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Wasatch/MesaVerde)		
43-047-40110	NBU 921-26N2AS	Sec 26 T09S R21E 0463 FSL 1302 FWL
		BHL Sec 26 T09S R21E 1160 FSL 1940 FWL
43-047-40111	NBU 921-26M4AS	Sec 26 T09S R21E 0458 FSL 1282 FWL
		BHL Sec 26 T09S R21E 0425 FSL 1165 FWL
43-047-40112	NBU 921-26N2DS	Sec 26 T09S R21E 0468 FSL 1321 FWL
		BHL Sec 26 T09S R21E 0830 FSL 1875 FWL
43-047-40113	NBU 921-26M2AS	Sec 26 T09S R21E 0454 FSL 1263 FWL
		BHL Sec 26 T09S R21E 1095 FSL 0475 FWL
43-047-40114	NBU 921-35AT	Sec 35 T09S R21E 0504 FNL 0524 FEL
43-047-40120	NBU 920-15FT	Sec 15 T09S R20E 1964 FNL 1991 FWL
43-047-40119	NBU 922-29J	Sec 29 T09S R22E 2383 FSL 1736 FEL
43-047-40115	NBU 922-29FT	Sec 29 T09S R22E 2323 FNL 2022 FWL
43-047-40116	NBU 922-32O1T	Sec 32 T09S R22E 0900 FSL 1915 FEL
43-047-40117	NBU 922-32MT	Sec 32 T09S R22E 1153 FSL 0717 FWL
43-047-40118	NBU 922-36NT	Sec 36 T09S R22E 1118 FSL 2308 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:6-9-08

From: Jim Davis
To: Bonner, Ed; Whitney, Diana
Date: 8/13/2008 8:26 AM
Subject: Kerr Mc Gee Approvals

CC: Raleen.White@anadarko.com

The following wells have been granted SITLA approval, including arch and paleo clearance.

4304740180 S	NBU 922-32IT	Kerr-McGee Oil & Gas	Natural Buttes	NESE	32	090S	220E
4304740147 S	NBU 922-32AT	Kerr-McGee Oil & Gas	Natural Buttes	NENE	32	090S	220E
4304740116 S	NBU 922-32O1T	Kerr-McGee Oil & Gas	Natural Buttes	SWSE	32	090S	220E
4304740117 S	NBU 922-32MT	Kerr-McGee Oil & Gas	Natural Buttes	SWSW	32	090S	220E
4304740118 S	NBU 922-36NT	Kerr-McGee Oil & Gas	Natural Buttes	SESW	36	090S	220E

-Jim

Jim Davis
Utah Trust Lands Administration
jimdavis1@utah.gov
Phone: (801) 538-5156

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

August 13, 2008

Kerr-McGee Oil & Gas Onshore, LP
P O Box 173779
Denver, CO 80123

Re: NBU 922-36NT Well, 1118' FSL, 2308' FWL, SE SW, Sec. 36, T. 9 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40118.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office
SITLA

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR OIL, GAS & MINING

Operator: Kerr-McGee Oil & Gas Onshore, LP

Well Name & Number NBU 922-36NT

API Number: 43-047-40118

Lease: ML-22650

Location: SE SW **Sec.** 36 **T.** 9 South **R.** 22 East

Conditions of Approval

1. **General**

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

   The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

   - 24 hours prior to cementing or testing casing – contact Dan Jarvis
   - 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
   - 24 hours prior to spudding the well – contact Carol Daniels
   - Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
   - Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

   The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

   - Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
   - Any changes to the approved drilling plan – contact Dustin Doucet

   The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

   - Dan Jarvis at: (801) 538-5338 office (801) 942-0871 home
   - Carol Daniels at: (801) 538-5284 office
   - Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. **Reporting Requirements**

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

7. Surface casing shall be cemented to the surface.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **KERR-McGEE OIL & GAS ONSHORE, L.P.**

Well Name: **NBU 922-36NT**

Api No: **43-047-40118** Lease Type: **STATE**

Section **36** Township **09S** Range **22E** County **UINTAH**

Drilling Contractor **PETE MARTIN DRLG** RIG # **BUCKET**

SPUDDED:

Date **09/11/08**

Time **10:00 AM**

How **DRY**

Drilling will Commence:

Reported by **LEW WELDON**

Telephone # **(435) 828-7035**

Date 09/11//08 Signed CHD

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078
Phone Number: (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304740118	NBU 922-36NT		SESW	36	9S,	22E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
B	99999	2900	9/11/2008			9/25/08	

Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD
SPUD WELL LOCATION ON 09/11/2008 AT 1000 HRS.

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA UPCHEGO
Name (Please Print)
Signature
REGULATORY ANALYST
Title
9/11/2008
Date

RECEIVED
SEP 15 2008
DIV. OF OIL, GAS & MINING

(6/2000)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22650

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 922-36NT

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304740118

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1118'FSL, 2308'FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 36 9S, 22E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: SET SURFACE CSG
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PROPETRO AIR RIG ON 09/23/2008. DRILLED 12 1/4" SURFACE HOLE TO 2250'. RAN 9 5/8" 36# J-55 SURFACE CSG. CMT W/300 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO RETURNS TO PIT 200 +/- PSI LIFT. TOP OUT W/150 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE. 2ND TOP OUT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE. 3RD TOP OUT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE DATE 9/29/2008

(This space for State use only)

RECEIVED
OCT 06 2008
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22650

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 922-36NT

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304740118

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1118'FSL, 2308'FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 36 9S, 22E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: _____	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: FINAL DRILLING OPERATIONS
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 2250' TO 8725' ON 11/23/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/456 SX PREM LITE II @11.9 PPG 2.44 YIELD. TAILED CMT W/1001 SX 50/50 POZ @14.3 PPG 1.31 YIELD. WASH LINES DROP PLUG AND DISPLACE W/134.9 BBLS WATER CLAYTREATED + 1 GAL MAGNACIDE @8.3 PPG BUMP PLUG W/3331 PSI PLUG HELD. 2670 PSI PUMPING PSI 661 OVER PSI 100% RETURNS 1.0 BBLS BLEED OFF LAND CSG W/50K STRING WT TEST MANDREL TO 5000 PSI. NIPPLE DOWN BOP CHLORINE TABS DOWN CSG INSTALL NIGHT CAP. CLEAN MUD PITS.

RELEASED PIONEER RIG 68 ON 11/25/2008 AT 10:00 HRS.

RECEIVED
DEC 08 2008
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE _____ DATE 11/26/2008

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22650

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 922-36NT

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304740118

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1118'FSL, 2308'FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 36 9S, 22E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: PRODUCTION START-UP
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 12/23/2008 AT 1145 HRS.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE DATE 12/31/2008

(This space for State use only)

RECEIVED
JAN 05 2009
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

Wins No.: 15609

NBU 922-36NT

Well Operations Summary Long

Operator	FIELD NAME	SPUD DATE	GL	KB	ROUTE
KERR-MCGEE OIL & GAS ONSHORE LP	NATURAL BUTTES	09/23/2008	4,997	5015	V15

API	STATE	COUNTY	DIVISION
4304740118	UTAH	UINTAH	ROCKIES

Long/Lat.: 39.98831 / -109.38949 Q-Q/Sect/Town/Range: SESW / 36 / 9S / 22E Footages: 1,118.00' FSL 2,308.00' FWL

Wellbore: NBU 922-36NT

MTD	TVD	PBMD	PBTVD
8,725	8,721	8,678	

EVENT INFORMATION:
EVENT ACTIVITY: DRILLING
OBJECTIVE: DEVELOPMENT
OBJECTIVE 2: ORIGINAL
REASON: SURFACE FAC
START DATE: 9/10/2008
END DATE: 11/25/2008
DATE WELL STARTED PROD.:
Event End Status: COMPLETE
AFE NO.: 2019457

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
	09/23/2008	09/23/2008	09/23/2008	09/23/2008	09/26/2008	09/27/2008	09/27/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
9/23/2008	SUPERVISOR: LEW WELDON						MD: 828
	13:00 - 0:00	11.00	DRLSUR	02		P	MOVE IN AND RIG AIR RIG SPUD WELL @ 1300 HR 9/23/08 DA AT REPORT TIME 810'
9/24/2008	SUPERVISOR: LEW WELDON						MD: 1,518
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1100'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD HIT TRONA WATER @ 1440' CIRCULATING WITH SKID PUMP 1500'
9/25/2008	SUPERVISOR: LEW WELDON						MD: 1,938
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 1710'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 1920'
9/26/2008	SUPERVISOR: LEW WELDON						MD: 2,268
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 2150'
	12:00 - 19:00	7.00	DRLSUR	02		P	RIG T/D CONDITION HOLE 2 HR
	19:00 - 0:00	5.00	DRLSUR	05		P	TRIP DP OUT OF HOLE
9/27/2008	SUPERVISOR: LEW WELDON						MD: 2,268
	0:00 - 3:00	3.00	DRLSUR	11		P	RUN CSG TO 1600' HIT BRIDGE RIG UP TO CIRCULATE CSG DOWN
	3:00 - 11:00	8.00	DRLSUR	11	B	P	CIRCULATE 14 JNTS CSG DOWN LAND CSG AND RIG DOWN AIR RIG
	11:00 - 12:00	1.00	DRLSUR	15		P	CEMENT 1ST STAGE WITH 300 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK NO RETURNS TO PIT + - 200 PSI LIFT
	12:00 - 12:30	0.50	DRLSUR	15		P	1ST TOP JOB 150 SKS DOWN BS WOC
	12:30 - 14:30	2.00	DRLSUR	15		P	2ND TOP JOB 200 SKS DOWN BS WOC
	14:30 - 16:30	2.00	DRLSUR	15		P	3RD TOP JOB 200 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE

	14:30 - 16:30	2.00	DRLSUR	15		P	3RD TOP JOB 200 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE
	16:30 - 16:30	0.00	DRLSUR				NO VISIBLE LEAKS PIT HAD 4 FEET IN IT WORT
11/15/2008	SUPERVISOR: TIM OXNER						MD: 2,268
	6:00 - 16:00	10.00	DRLPRO	01	E	P	RIG DOWN W/ CRANE ASSISTANCE,L&S MOVED FRONT YARD & UPRIGHTS.MOVE & RIG UP MAN CAMPS 100%. TRANSFER 800 BBLS MUD. LOCATION TO SMALL F/ DRLG RIG,STUBBS WILL LENGTHEN LOCATION & MANCAMPS WILL HAVE TO BE RESET TO BE ABLE TO RURT.
	16:00 - 0:00	8.00	DRLPRO	01	F	P	WAIT ON DAYLIGHT
11/16/2008	SUPERVISOR: TIM OXNER						MD: 2,268
	0:00 - 7:30	7.50	DRLPRO	01	F	P	WAIT ON DAYLIGHT
	7:30 - 16:00	8.50	DRLPRO	01	F	P	(HELD SAFETY MEETING) STUBBS EXTENDING BACK YARD FOR CARRIER TO FIT.RESET MAN CAMPS & RIGGED UP 100%. MOVE RIG RAISE DERRICK,SCOPE SUB & DERRICK. L&S RELEASED @ 1600. 4 BED,4 HAUL,2 FORKLIFTS,3 SWAMPERS,1 PUSHER. J&C CRANE RELEASED 1800 1 OPERATOR,2 SWAMPERS
	16:00 - 0:00	8.00	DRLPRO	01	B	P	RURT
11/17/2008	SUPERVISOR: TIM OXNER						MD: 2,268
	0:00 - 2:30	2.50	DRLPRO	01	B	P	RURT
	2:30 - 9:00	6.50	DRLPRO	13	A	P	NU & FUNCTION TEST BOP.HOOK UP FLARE LINES
	9:00 - 16:00	7.00	DRLPRO	13	C	P	(HELD SAFETY MEETING) RIG UP B&C QUICKTEST. TEST PIPE RAMS,BLIND RAMS,CHOKE & ALL FLOOR RELATED VALVES F/ 250 PSI TO 5000 PSI.TEST HYDRILL F/ 250 PSI TO 2500 PSI.TEST CSG TO 2500 PSI & HOLD 30 MIN. INSTALL WEAR BUSHING.
	16:00 - 20:30	4.50	DRLPRO	05	A	P	(HELD SAFETY MEETING)RIG UP WEATHERFORD TRS & PICK UP BHA & 44 JTS DP,TIH TO 2070'. RIG DOWN WEATHERFORD.
	20:30 - 21:30	1.00	DRLPRO	06	A	P	PRESPUD RIG INSPECTION & SERVICE
	21:30 - 0:00	2.50	DRLPRO	02	F	P	DRILL FLOAT EQUIPMENT & 23' PREDRILLED HOLE TO 2250' ROTARY SPUD @ 00:01 11/18/2008 (CMT TOP 2171')(FLOAT 2186) (SHOE 2228)
11/18/2008	SUPERVISOR: TIM OXNER						MD: 4,797
	0:00 - 0:30	0.50	DRLPRO	02	B	P	DRILL F/ 2225 - 2334' 109' TOTAL @ 218' HR
	0:30 - 1:00	0.50	DRLPRO	09	A	P	SURVEY @ 2259' 2.0 DEG
	1:00 - 5:00	4.00	DRLPRO	02	B	P	DRILL F/ 2334' - 2841' 507' TOTAL @ 127' HR
	5:00 - 5:30	0.50	DRLPRO	09	A	P	SURVEY @ 2766' 2.09 DEG
	5:30 - 10:00	4.50	DRLPRO	02	B	P	DRILL F/ 2841' - 3379' 538' TOTAL @ 119.50
	10:00 - 13:00	3.00	DRLPRO	07	A	S	HYDRAULIC UNIT DOWN,WAIT ON MECHANIC W/ NEW PUMP.REPLACE PUMP.
	13:00 - 16:30	3.50	DRLPRO	02	B	P	DRILL F/ 3379' - 3854' 475' TOTAL @ 135.7' HR
	16:30 - 17:00	0.50	DRLPRO	09	A	P	SURVEY @ 3779' 1.29 DEG

	17:00 - 0:00	7.00	DRLPRO	02	B	P	DRILL F/ 3854' - 4794' 940' TOTAL @ 134.28' HR 31 VIS. 9.0 MW	
11/19/2008	SUPERVISOR: TIM OXNER							MD: 5,946
	0:00 - 2:30	2.50	DRLPRO	02	B	P	DRILL F/ 4794' - 5087' 293' TOTAL @ 117.2' HR	
	2:30 - 6:00	3.50	DRLPRO	07	B	S	TOOH WET TO REPLACE SWIVEL	
	6:00 - 8:30	2.50	DRLPRO	07	B	P	CHANGE OUT SWIVEL	
	8:30 - 11:30	3.00	DRLPRO	07	B	P	TIH, BRIDGE OFF @ 5000',WORK STUCK PIPE W/ JARS.KELLY UP, WASH & REAM THRU 2' BRIDGE & TO BOTTOM. NO FILL. 4368 UNITS GAS @ SURFACE	
	11:30 - 15:00	3.50	DRLPRO	02	B	P	DRILL F/ 5087' - 5341' 254' TOTAL @ 72.5' HR. RAISE MUD WT TO 9.8	
	15:00 - 15:30	0.50	DRLPRO	09	A	P	SURVEY @ 5266' 2.11	
	15:30 - 16:30	1.00	DRLPRO	02	B	P	DRILL F/ 5341' - 5435' 94' TOTAL @ 94.0' HR	
	16:30 - 17:00	0.50	DRLPRO	06	A	P	RIG SERVICE	
	17:00 - 0:00	7.00	DRLPRO	02	B	P	DRILL F/ 5435' - 5946' 511' TOTAL @ 73.0' HR 35 VIS 10.5 MW	
11/20/2008	SUPERVISOR: TIM OXNER							MD: 6,891
	0:00 - 16:30	16.50	DRLPRO	02	B	P	DRILL F/ 5946' - 6606' 660' TOTAL @ 40.0' HR	
	16:30 - 17:00	0.50	DRLPRO	06	A	P	RIG SERVICE	
	17:00 - 0:00	7.00	DRLPRO	02	B	P	DRILL F/ 6606' - 6891' 285' TOTAL @ 40.7' HR	
11/21/2008	SUPERVISOR: TIM OXNER							MD: 7,429
	0:00 - 12:00	12.00	DRLPRO	02	B	P	DRILL F/ 6891' - 7334' 443' TOTAL @ 36.9' HR	
	12:00 - 12:30	0.50	DRLPRO	06	A	P	RIG SERVICE	
	12:30 - 15:00	2.50	DRLPRO	02	B	P	DRILL F/ 7334' - 7429' 95' TOTAL @ 38' HR 40 VIS / 11.3 MW	
	15:00 - 16:30	1.50	DRLPRO	04	C	P	CIRCULATE F/ BIT TRIP	
	16:30 - 22:00	5.50	DRLPRO	05	A	P	(HELD SAFETY MEETING) & TOOH F/ BIT # 2. LAYDOWN IBS TIGHT @ 6239' TO 5756' 5054' 4363' TO 4251' 3359' TO 2853'	
	22:00 - 0:00	2.00	DRLPRO	05	A	P	SWITCH BITS & TIH W/ BIT # 2	
11/22/2008	SUPERVISOR: TIM OXNER							MD: 8,100
	0:00 - 4:00	4.00	DRLPRO	05	A	P	TIH	
	4:00 - 4:30	0.50	DRLPRO	03	E	P	WASH & REAM 40' TO BOTTOM. NO FILL	
	4:30 - 17:00	12.50	DRLPRO	02	B	P	DRILL F/ 7429' - 8055' 626' TOTAL @ 50' HR	
	17:00 - 17:30	0.50	DRLPRO	06	A	P	RIG SERVICE	
	17:30 - 19:30	2.00	DRLPRO	02	B	P	DRILL F/ 8055' - 8100' 45' TOTAL @ 22.5' HR 38 VIS / 12.0 MW	
	19:30 - 21:00	1.50	DRLPRO	04	C	P	CIRCULATE F/ BIT TRIP # 3	
	21:00 - 0:00	3.00	DRLPRO	05	A	P	TOOH F/ BIT # 3	

	21:00 - 0:00	3.00	DRLPRO	05	A	P	TOOH F/ BIT # 3	
11/23/2008	SUPERVISOR: TIM OXNER							MD: 8,725
	0:00 - 1:30	1.50	DRLPRO	05	A	P	TOOH	
	1:30 - 4:00	2.50	DRLPRO	05	A	P	SWITCH BIT & TIH TO SHOE	
	4:00 - 7:00	3.00	DRLPRO	06	D	P	SLIP & CUT DRILLING LINE	
	7:00 - 9:00	2.00	DRLPRO	05	A	P	TIH	
	9:00 - 9:30	0.50	DRLPRO	03	E	P	WASH & REAM 49' TO BOTTOM. NO FILL CIRC THRU BUSTER GAS @ SURFACE. 15' - 20' FLARE.	
	9:30 - 16:00	6.50	DRLPRO	02	B	P	DRILL F/ 8100' - 8498' 398' TOTAL @ 61.2' HR	
	16:00 - 16:30	0.50	DRLPRO	06	A	P	RIG SERVICE	
	16:30 - 19:30	3.00	DRLPRO	02	B	P	DRILL F/ 8498' - 8725' 227' TOTAL @ 75.6' HR 42 VIS / 12.4 MW	
	19:30 - 21:00	1.50	DRLPRO	04	C	P	CIRCULATE F/ SHORT TRIP	
	21:00 - 22:00	1.00	DRLPRO	05	E	P	SHORT TRIP 12 STDS TO 7918'	
	22:00 - 23:30	1.50	DRLPRO	04	C	P	CIRCULATE TO LDDS(HELD SAFETY MEETING) RIG UP WEATHERFORD	
	23:30 - 0:00	0.50	DRLPRO	05	A	P	LDDS	
11/24/2008	SUPERVISOR: TIM OXNER							MD: 8,725
	0:00 - 8:00	8.00	DRLPRO	05	A	P	LDDS,PULL WEAR BUSHING	
	8:00 - 17:00	9.00	DRLPRO	08	F	P	(HELD SAFETY MEETING) RIG UP HALLIBURTON & RUN TRIPLE COMBO,DENSITY TOOL FAILED,TOOH W/ LOGGS & REPLACE TOOL,TIH & RUN TRIPLE COMBO F/ 8724' TO SHOE & GR TO SURFACE	
	17:00 - 18:00	1.00	DRLPRO	11	A	P	(HELD SAFETY MEETING) & RIG UP WEATHERFORD TRS	
	18:00 - 23:30	5.50	DRLPRO	11	B	P	RUN 4.5 PRODUCTION CSG.	
	23:30 - 0:00	0.50	DRLPRO	04	E	P	HOOK UP BJ HEAD & CIRC OUT GAS W/ RIG PUMP.RIG DOWN WEATHERFORD.	
11/25/2008	SUPERVISOR: TIM OXNER							MD: 8,725
	0:00 - 2:00	2.00	DRLPRO	04	E	P	CIRCULATE OUT GAS. THRU BUSTER 5' TO 10' FLARE 1740 UNITS GAS.	
	2:00 - 5:00	3.00	DRLPRO	15	A	P	(HELD SAFETY MEETING) SWITCH LINES & TEST TO 4500 PSI. (PUMP 20 BBLS MUD CLEAN @ 8.3 PPG) (PUMP 14.77 BBLS SCAVENGER 20 SCKS PREMIUM LITE 11@ 10.5 PPG, 4.15 cF SACK YIELD) (PUMP 197.65 BBLS LEAD 456 SCKS PREMIUM LITE 11 @ 11.9 PPG, 2.44 cF SACK YIELD) (PUMP 233.15 BBLS TAIL 1001 SCKS 50/50 POZ MIX @ 14.3 PPG,1.31 cF SACK YIELD) (WASH LINES DROP PLUG & DISPLACE W/ 134.9 BBLS H20, CLAYTREATED + 1 GL MAGNACIDE @ 8.3 PPG) (BUMP PLUG W/ 3331 PSI,PLUG HELD) (2670 PSI PUMPING PSI) (661 OVER PSI) (100% RETURNS) (5 BBLS SCAVENGER CMT BACK TO SURFACE) (1.0 BBLS BLEED OFF) (LAND CSG W/ 50 K STRING WT, RIG DOWN BJ & TEST MANDREL TO 5000 PSI)	
	5:00 - 10:00	5.00	DRLPRO	13	A		NIPPLE DOWN BOP,CHLORINE TABS DOWN CSG,INSTALL NIGHT CAP, CLEAN MUD PITS. RELEASE RIG @ 10:00 AM 11/25/2008	

Wins No.: 15609						NBU 922-36NT	API No.: 4304740118
	5:00 - 10:00	5.00	DRLPRO	13	A	NIPPLE DOWN BOP,CHLORINE TABS DOWN CSG,INSTALL NIGHT CAP, CLEAN MUD PITS. RELEASE RIG @ 10:00 AM 11/25/2008	

Wins No.: 15609	NBU 922-36NT	API No.: 4304740118

EVENT INFORMATION:	EVENT ACTIVITY: COMPLETION	START DATE: 12/12/2008	AFE NO.: 2019457
	OBJECTIVE: DEVELOPMENT	END DATE: 12/19/2008	
	OBJECTIVE 2: ORIGINAL	DATE WELL STARTED PROD.	
	REASON: MV	Event End Status: COMPLETE	

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
LEED 698 / 698		12/12/2008					12/19/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
12/12/2008	SUPERVISOR: BRAD BURMAN						MD:
	7:00 - 7:30	0.50	COMP	48		P	JSA#1
	7:30 - 16:00	8.50	COMP	30	A	P	7AM [DAY 1] ROAD RIG FROM BONANZA 1023-7B3 TO NBU 922-36NT. MIRU, SPOT EQUIPMENT. NDWH, NUBOP. R/U FLOOR & TBG EQUIPMENT. P/U 3-7/8" MILL & RIH ON NEW 2-3/8" J-55 TBG. [SLM] TBG WAS DRIFTED. EOT @ 7851'. SDF-WE PREP TO C/O & P.T. ON MONDAY
	16:00 - 16:00	0.00	COMP				
12/15/2008	SUPERVISOR: BRAD BURMAN						MD:
	7:00 - 7:30	0.50	COMP	48		P	JSA#2
	7:30 - 15:00	7.50	COMP	33	C	P	7AM {DAY 2} EOT @ 7851'. WE-SICP=0#. CONTINUE P/U & RIH ON NEW 2-3/8" J-55 TBG. [SLM] TBG WAS DRIFTED. TAG PBTD @ 8679'. R/U RIG PUMP. CIRCULATE WELL CLN W/ 110 BBLS T.F.W. R/D PMP. POOH & L/D 12 JTS ON FLOAT. CONTINUE POOH STDG BACK TBG. FOUND WE HAD LOST NEW R.B.S. MILL ON BTM. L/D CHANGE OVER SUB. R/D FLOOR & TBG EQUIPMENT. NDBOP, NU FRAC VALVES. MIRU DOUBLE JACK TESTERS. P.T. FRAC VALVES & CSG TO 7500#. [HELD GOOD] RDMO DBL JACK. 3 PM SWI-SDFN. PREP TO FRAC W/ BJ.
12/16/2008	SUPERVISOR: BRAD BURMAN						MD:
							[DAY 3] STD-BY PREP TO FRAC W/ BJ IN AM. HEAT FRAC WATER TODAY.
12/17/2008	SUPERVISOR: BRAD BURMAN						MD:
	7:00 - 7:30	0.50	COMP	48		P	JSA#4
	7:30 - 17:00	9.50	COMP	37	B	P	7AM [DAY 4] MIRU CUTTERS. RIH W/ 3-1/8" X 19' PERF GUNS. STACK OUT @ 4160'??.-- BTM OF SHORT JT. POOH, RIH W/ 3-1/8" X 8' GUNS. TAG AGAIN @ 4160'. POOH & LD WIRELINE TOOLS. RD CUTTERS. ND FRAC VALVES, NUBOP. R/U FLOOR & TBG EQUIPMENT. P/U NEW RBS 3-7/8" MILL & RIH OUT OF DERRICK ON 2-3/8" TBG. TAG OLD MILL @ 4160'. TURN TBG TO RIGHT W/ TONGS & GOT MILL TO DROP. CHASE MILL TO PBTD @ 8679' TAGGING MILL SEVERAL TIMES. POOH STDG BACK TBG. L/D NEW R.B.S. MILL. R/D FLOOR & TBG EQUIPMENT. NDBOP, NU FRAC VALVES. R/U CUTTERS & BJ FRAC EQUIPMENT. [STG#1] RIH W/ PERF GUNS & PERF THE M.V. @ 8436'-8438', 8478'-8480', 8526'-8528', 8610'-8612', 4 SPF, 90* PHS & 8640'-8644', 3 SPF, 120* PHS USING 3-3/8" EXP GUNS, 23 GM, 0.36, [44 HLS] WHP=0#. POOH & L/D W.L. TOOLS. FREEZE PROTECT WELL HEAD & EQUIPMENT. 5 PM SWI-SDFN. PREP TO FRAC 4 STGS IN AM.
12/18/2008	SUPERVISOR: BRAD BURMAN						MD:
	7:00 - 7:30	0.50	COMP	48		P	HLD BJ JSA

7:30 - 17:00	9.50	COMP	36	E	P	7AM [DAY 5]	

[STG#1] OVERNIGHT SICP=1111#. P.T. SURFACE LINES TO 9300#. BRK DN PERFS @ 4879# @ 8 BPM. ISIP=3188, FG=.81. BULLHEAD 3 BBLS 15% HCL. CALC ALL PERFS OPEN. PMP'D 4288 BBLS SLK WTR & 157,407# 30/50 SAND W/ 5000# R.C. SAND @ TAIL. ISIP=2744, FG=.75, NPI=-444, MP=6013, MR=60, AP=4941, AR=55 BPM. PMP'D 2 SWEEPS.

[STG#2] RIH W/ BAKER 8K CBP & PERF GUNS. SET CBP @ 8396'. PERF THE M.V. @ 8220'-8222', 8258'-8263' & 8362'-8366' USING 3-3/8" EXP GUNS, 23 GM, 0.36, 90* PHS, 4 SPF, [44 HLS] WHP=2300#. BRK DN PERFS @ 3470 @ 4 BPM. ISIP=2548, FG=.74. CALC ALL PERFS OPEN. PMP'D 3702 BBLS SLK WTR & 136,467# 30/50 SAND W/ 5000# R.C. SAND @ TAIL. ISIP=2881, FG=.78, NPI=333, MP=5778, MR=55, AP=4784, AP=54 BPM. PMP'D 2 SWEEPS.

[STG#3] RIH W/ BAKER 8K CBP & PERF GUNS. SET CBP @ 8186'. PERF THE M.V. @ 8109'-8112', 8138'-8142' & 8152'-8156' USING 3-3/8" EXP GUNS, 23 GM, 0.36, 90* PHS, 4 SPF, [44 HLS] WHP=2500#. BRK DN PERFS @ 3384 @ 8 BPM. ISIP=2686, FG=.76. CALC ALL PERFS OPEN. PMP'D 1545 BBLS SLK WTR & 60,696# 30/50 SAND W/ 5000# R.C. SAND @ TAIL. ISIP=3139, FG=.83, NPI=453, MP=7032, MR=61, AP=5830, AR=59 BPM. NO SWEEPS ON THIS STG.

[STG#4] RIH W/ BAKER 8K CP & PERF GUNS. SET CBP @ 7990'. PERF THE M.V. @ 7768'-7770', 7818'-7820', 7880'-7884', 7930'-7932', & 7959'-7960' USING 3-3/8" EXP GUNS, 23 GM, 0.36, 90* PHS, 4 SPF, [44 HLS] WAIT ON SAND FOR 1.5 HRS. WHP=1940#. BRK DN PERFS @ 3348 @ 8 BPM. ISIP=2315, FG=.74. CALC ALL PERFS OPEN. PMP'D 4306 BBLS SLK WTR & 160,245# 30/50 SAND W/ 0# R.C.SAND @ TAIL. ISIP=2487, FG=.76, NPI=172, MP=7450, MR=63, AP=5045, AR=61 BPM. PMP'D 2 SWEEPS. RAN OUT OF WATER @ END OF STG.. CUT SAND SHORT 10K. -- 74 BBLS SHORT ON FLUSH.

[KILL PLUG] RIH W/ BAKER 8K CBP & SET @ 2804'. POOH & L/D W.L.TOOLS. RDMO CUTTERS & BJ. GRND TOTAL 30/50 & R.C. SD=514,814# & TOTAL FLUID= 13,841 BBLS.
FREEZE PROTECT WELL HEAD.

6:30 PM SWI-SDFN

12/19/2008 SUPERVISOR: BRAD BURMAN MD:

7:00 - 7:30	0.50	COMP	48		P	JSA#5	
7:30 - 17:00	9.50	COMP	44	C	P	7AM [DAY 6] SICP=0#.ND FRAC VALVES, NUBOP. RU FLOOR & TBG EQUIPMENT. PU 3-7/8" BIT, POBS W/ XN NIPPLE & RIH OUT OF DERRICK ON 2-3/8" J-55 TBG. TAG CBP#1 @ 7718'. RU SWVL & RIG PMP. ESTB CIRC. P.T. BOP TO 3000#.	

[DRLG CBP#1] @ 2804'. D/O BAKER 8K CBP IN 5 MIN. 400# INC. LET WELL BLLED DOWN PSI. RIH, C/O 300' SD. FCP=600#. LET WELL BLOW DOWN. RIH, TAG SD @ 7960', C/O 30' SD. FCP=475.

[DRLG CBP#2] @ 7990'. D/O BAKER 8K CBP IN 6 MIN, 50# INC. RIH, TAG SD @ 8156'. C/O 30' SD. FCP=300#.

[DRLG CBP#3] @ 8186'. D/O BAKER 8K CBP IN 6 MIN. 100# INC. RIH, TAG SD @ 8366'. C/O 30' SD. FCP=375#.

[DRLG CBP#4] @ 8396'. D/O BAKER 8K CBP IN 6 MIN. 100# INC. RIH, TAG SD @ 8664'. C/O 15' SD TO PBTD @ 8678'. [RBS MILL ON BTM] CIRC WELL CLN. FCP=475#. R/D SWVL. POOH & L/D 17 JTS ON FLOAT. LAND TBG ON HNGR W/ 261 JTS NEW 2-3/8" J-55 TBG. EOT @ 8187.10' & POBS W/ XN @ 8184.90'. AVG 6 MIN/PLUG & C/O 405' SAND. R/D FLOOR & TBG EQUIP. NDBOP. NUWH. DROP BALL DN TBG & PMP OFF THE BIT @ 3400#. OPEN WELL TO FBT ON 20/64 CHOKE. FTP=1550, SICP=1900.

5:30 PM TURN WELL OVER TO FBC. LTR @ 5:30 PM=11641 BBLS. DRAIN PMP & LINES. RACK EQUIPMENT. SDFD

12/20/2008 SUPERVISOR: MIKE GRAY MD:

	7:00 -		33	A	7 AM FLBK REPORT: CP 1700#, TP 1400#, 20/64" CK, 75 BWPH, 1/2CUP SAND, - GAS TTL BBLS RECOVERED: 3395 BBLS LEFT TO RECOVER: 10446	
12/21/2008	SUPERVISOR: MIKE GRAY					MD:
	7:00 -		33	A	7 AM FLBK REPORT: CP 2675#, TP 1900#, 20/64" CK, 75 BWPH, 1/2 CUP SAND, - GAS TTL BBLS RECOVERED: 5315 BBLS LEFT TO RECOVER: 8526	
12/22/2008	SUPERVISOR: MIKE GRAY					MD:
	7:00 -		33	A	7 AM FLBK REPORT: CP 3700#, TP 2200#, 20/64" CK, 50 BWPH, 1/4 CUP SAND, - GAS TTL BBLS RECOVERED: 6785 BBLS LEFT TO RECOVER: 7056	
12/23/2008	SUPERVISOR: MIKE GRAY					MD:
	7:00 -		33	A	7 AM FLBK REPORT: CP 3100#, TP 2100#, 20/64" CK, 35 BWPH, 1/8 CUP SAND, - GAS TTL BBLS RECOVERED: 7815 BBLS LEFT TO RECOVER: 6026	
	11:45 -	PROD			WELL TURNED TO SALES @ 1145 HR ON 12/23/2008 - FTP 1950#, CP 3000#, CK 20/64", 2000 MCFD, 1320 BWPD	

EVENT INFORMATION:

EVENT ACTIVITY: COMPLETION — START DATE: 12/12/2008 — AFE NO.: 2019457
OBJECTIVE: CONSTRUCTION — END DATE: 12/12/2008
OBJECTIVE 2: ORIGINAL — DATE WELL STARTED PROD.:
REASON: SURFACE FAC — Event End Status: COMPLETE

RIG OPERATIONS: Begin Mobilization | Rig On Location | Rig Charges | Rig Operation Start | Finish Drilling | Rig Release | Rig Off Location

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
12/12/2008	SUPERVISOR: HAL BLANCHARD						MD:
	-						

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22650
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
8. WELL NAME and NUMBER: NBU 922-36NT
9. API NUMBER: 4304740118
10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER
b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078 PHONE NUMBER: (435) 781-7024

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1118'FSL, 2308'FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH:

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 36 9S, 22E
12. COUNTY: UINTAH
13. STATE: UTAH

14. DATE SPUDDED: 9/11/2008
15. DATE T.D. REACHED: 11/23/2008
16. DATE COMPLETED: 12/23/2008 ABANDONED ☐ READY TO PRODUCE ☑
17. ELEVATIONS (DF, RKB, RT, GL): 4997'GL

18. TOTAL DEPTH: MD 8,725 TVD
19. PLUG BACK T.D.: MD 8,678 TVD
20. IF MULTIPLE COMPLETIONS, HOW MANY? *
21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
CBL-CCL-GR, SD, DSN, HRI,

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
12 1/4"	9 5/8 J-55	36#		2,250		850			
7 7/8"	4 1/2 I-80	11.6#		8,725		1457			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	8,187							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) MESAVERDE	7,768	8,644		
(B) WSMVD				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
7,768 8,644	0.36	132	Open ☑ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7768'-8644'	PMP 13,841 BBLS SLICK H2O & 514,814# 30/50 SD

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: PROD

RECEIVED
JAN 20 2009
DIV. OF OIL, GAS & MINING

(5/2000) (CONTINUED ON BACK)

31. INITIAL PRODUCTION — **INTERVAL A (As shown in Item #26)**

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
12/23/2008	12/24/2008	24		0	2,328	600	FLOWING

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
20/64	1,825	2,800					0	2,328	600	PROD

INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
GREEN RIVER	1,235				
BIRDS NEST	1,429				
MAHOGANY	1,946				
WASATCH	4,232	6,401			
MESAVERDE	6,412	8,670			

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE DATE 1/16/2009

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

API Well No: 43047401180000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22650

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 922-36NT

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047401180000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1118 FSL 2308 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 36 Township: 09.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 6/14/2010	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO RECOMPLETE THE MESAVERDE FORMATION. PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

Approved by the Utah Division of Oil, Gas and Mining

Date: June 15, 2010

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE		**DATE**
N/A		6/9/2010

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047401180000

Authorization: Board Cause No. 173-14

Approved by the
Utah Division of
Oil, Gas and Mining

Date: June 15, 2010

By:

Greater Natural Buttes Unit

NBU 922-36NT

RE-COMPLETIONS PROCEDURE

DATE:6/9/10
AFE#:

COMPLETIONS ENGINEER: Sarah Schaftenaar, Denver, CO
(303)-895-5883 (Cell)
(720)-929-6605 (Office)

SIGNATURE:

ENGINEERING MANAGER: JEFF DUFRESNE

SIGNATURE:

REMEMBER SAFETY FIRST!

RECEIVED June 09, 2010

Name: **NBU 922-36NT**
Location: **SE SW Sec. 36 T9S R22E**
Uintah County, UT
Date: **6/3/10**

ELEVATIONS: 4997' GL 5015' KB

TOTAL DEPTH: 8725' **PBTD:** 8679'
SURFACE CASING: 9 5/8", 36# J-55 ST&C @ 2236'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 8722'
Marker Joint **4242-4257**'

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 ½" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 ½" Annulus				0.0101	0.4227

TOPS: **BOTTOMS:**

1235' Green River Top
1429' Bird's Nest Top
1946' Mahogany Top
4232' Wasatch Top — 6412' Wasatch Bottom
6412' Mesaverde Top — 8725' Mesaverde Bottom (TD)

Estimated T.O.C. from CBL @ ~1700'

GENERAL:

- A minimum of **7** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburton's Induction-Density-Neutron log dated 11/24/08
- **4** fracturing stages required for coverage.
- Procedure calls for 5 CBP's (**8000** psi) .
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Pump scale inhibitor at 3 gpt (in pad and until 1.25 ppg ramp up is reached) and 10 gpt in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac**.
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). DO NOT OVERDISPLACE. Stage acid and scale inhibitor if necessary to cover the next perforated interval.

RECEIVED June 09, 2010

- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump 20/40 mesh **resin coated sand** last 5,000# of all frac stages
- Tubing Currently Landed @~8187
- Originally completed on 12/10/08

Existing Perforations:

Zone	Feet of Pay	Perfs		SPF	Holes
		Top, ft.	Bot., ft		
MESAVERDE	3	7768	7770	4	8
MESAVERDE	5	7818	7820	4	8
MESAVERDE	8	7880	7884	4	16
MESAVERDE	1	7930	7932	4	8
MESAVERDE	1	7959	7960	4	4
MESAVERDE	3	8109	8112	4	12
MESAVERDE	1	8138	8142	4	16
MESAVERDE	1	8152	8156	4	16
MESAVERDE	5	8220	8222	4	8
MESAVERDE	1	8258	8263	4	20
MESAVERDE	9	8362	8366	4	16
MESAVERDE	18	8436	8438	4	8
MESAVERDE	1	8478	8480	4	8
MESAVERDE	1	8526	8528	4	8
MESAVERDE	1	8610	8612	4	8
MESAVERDE	1	8640	8644	3	12

PROCEDURE:

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.

2. If the tubing is below the proposed CBP depth, TOOH with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~8187'). Visually inspect for scale and consider replacing if needed. If the tubing is above the proposed CBP depth, RIH with tubing and tag for fill before TOOH.

3. If tbg looks ok consider running a gauge ring to 7770 (50' below proposed CBP). Otherwise P/U a mill and C/O to 7770 (50' below proposed CBP).

4. Set 8000 psi CBP at ~ 7720'. Pressure test BOP and casing to 6000 psi. .

RECEIVED June 09, 2010

5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
MESAVERDE	7650	7654	4	16
MESAVERDE	7684	7690	4	24

6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~7650' and trickle 250gal 15%HCL w/ scale inhibitor in flush .

7. Set 8000 psi CBP at ~7589'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
MESAVERDE	7487	7491	4	16
MESAVERDE	7553	7559	4	24

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~7487' and trickle 250gal 15%HCL w/ scale inhibitor in flush. NOTE: Tight spacing between stages 2 & 3. Overflush by 5 bbls.

9. Set 8000 psi CBP at ~7439'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
MESAVERDE	7236	7238	4	8
MESAVERDE	7295	7298	4	12
MESAVERDE	7344	7345	4	4
MESAVERDE	7405	7409	4	16

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~7236' trickle 250gal 15%HCL w/ scale inhibitor in flush.

11. Set 8000 psi CBP at ~7165'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
MESAVERDE	7034	7036	4	8
MESAVERDE	7040	7041	4	4
MESAVERDE	7128	7135	4	28

12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~7034' and flush only with recycled water.

13. Set 8000 psi CBP at~6984'.

14. TIH with 3 7/8" mill, sliding sleeve, SN and tubing.

15. Mill plugs and clean out to 7720. Land tubing at ±**8187**' and open sleeve unless indicated otherwise by the well's behavior. This well will be commingled at this time.

16. RDMO

17. Clean out well with foam and/or swabbing unit until steady flow has been established from recomplete, if necessary.

RECEIVED June 09, 2010

For design questions, please call
Sarah Schaftenaar, Denver, CO
(303)-895-5883 (Cell)
(720)-929-6605 (Office)

For field implementation questions, please call
Jeff Samuels, Vernal, UT
435-781-7046 (Office)

NOTES:

RECEIVED June 09, 2010

NBU 922-36NT
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes		Fracture Coverage		
		Top, ft	Bottom, ft						
1	MESAVERDE	7650	7654	4	16		7638.5	to	7655.5
	MESAVERDE	7684	7690	4	24		7673.5	to	7709
	MESAVERDE								
	MESAVERDE								
	MESAVERDE								
	MESAVERDE								
	MESAVERDE								
	# of Perfs/stage				40		CBP DEPTH	7,589	
2	MESAVERDE	7487	7491	4	16		7451	to	7494.5
	MESAVERDE	7553	7559	4	24		7514.5	to	7561
	MESAVERDE								
	MESAVERDE								
	MESAVERDE								
	MESAVERDE								
	MESAVERDE								
	MESAVERDE								
	# of Perfs/stage				40		CBP DEPTH	7,439	
3	MESAVERDE	7236	7238	4	8		7211	to	7237
	MESAVERDE	7295	7298	4	12		7292	to	7318
	MESAVERDE	7344	7345	4	4		7339	to	7347
	MESAVERDE	7405	7409	4	16		7384.5	to	7411
	MESAVERDE								
	MESAVERDE								
	MESAVERDE								
	MESAVERDE								
					Look				
	# of Perfs/stage				40		CBP DEPTH	7,165	
4	MESAVERDE	7034	7036	4	8		7032	to	7038
	MESAVERDE	7040	7041	4	4		7039	to	7043.5
	MESAVERDE	7128	7135	4	28		7125	to	7137
	MESAVERDE								
	MESAVERDE								
	MESAVERDE								
	MESAVERDE								
	MESAVERDE								
	# of Perfs/stage				40		CBP DEPTH	6,984	
	Totals				160				

RECEIVED June 09, 2010

Fracturing Schedules

NBU 922-36NT

Slickwater Frac

Recomplete?	Y
Pad?	N
ACTS?	N

Swabbing Days	0	Enter Number of swabbing days here for recompletes
Production Log	0	Enter 1 if running a Production Log
DFIT	0	Enter Number of DFITs

Stage	Zone	Md-Ft of Pay	Perfs Top, ft.	Perfs Bot., ft	SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
1	MESAVERDE	0.1497	7650	7654	4	16	Varied	Pump-in test			Slickwater		0	0	0						
	MESAVERDE	0.17	7684	7690	4	24	0	ISIP and 5 min ISIP													49
	MESAVERDE	0.00					50	Slickwater Pad			Slickwater	3,117	3,117	74	74	15.0%	0.0%	0	0		9
	MESAVERDE	0.00					50	Slickwater Ramp	0.25	1.25	Slickwater	5,888	9,005	140	214	28.3%	19.4%	4,416	4,416		18
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	0	9,005	0	214		0.0%	0	4,416		0
	MESAVERDE	0.00					50	Slickwater Ramp	1.25	1.5	Slickwater	5,888	14,893	140	355	28.3%	35.5%	8,096	12,512		0
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	0	14,893	0	355		0.0%	0	12,512		0
	MESAVERDE	0.00					50	Slickwater Ramp	0.5	1.5	Slickwater	0	14,893	0	355		0.0%	0	12,512		0
	MESAVERDE	0.00					50	Slickwater Ramp	1.5	2	Slickwater	5,888	20,781	140	495	28.3%	45.2%	10,304	22,815		0
	MESAVERDE	0.00					50	Flush (4-1/2)				4,994	25,774	119	614				22,815		49
	MESAVERDE	0.00						ISDP and 5 min ISDP					25,774								126
																	gal/md-ft	65,000	71,365	lbs sand/md-ft	
		0.32		# of Perfs/stage		40									Flush depth	7650		CBP depth	7,589	61	
							12.3	<< Above pump time (min)													
2	MESAVERDE	0.3111	7487	7491	4	16	Varied	Pump-in test			Slickwater		0	0	0						
	MESAVERDE	0.2454	7553	7559	4	24	0	ISIP and 5 min ISIP													
	MESAVERDE	0.00					50	Slickwater Pad			Slickwater	3,172	3,172	76	76	15.0%	0.0%	0	0		10
	MESAVERDE	0.00					50	Slickwater Ramp	0.25	1.25	Slickwater	5,992	9,164	143	218	28.3%	19.4%	4,494	4,494		18
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	0	9,164	0	218		0.0%	0	4,494		0
	MESAVERDE	0.00					50	Slickwater Ramp	1.25	1.5	Slickwater	5,992	15,155	143	361	28.3%	35.5%	8,239	12,732		0
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	0	15,155	0	361		0.0%	0	12,732		0
	MESAVERDE	0.00					50	Slickwater Ramp	0.5	1.5	Slickwater	0	15,155	0	361		0.0%	0	12,732		0
	MESAVERDE	0.00					50	Slickwater Ramp	1.5	2	Slickwater	5,992	21,147	143	504	28.3%	45.2%	10,485	23,218		0
	MESAVERDE	0.00					50	Flush (4-1/2)				4,888	26,035	116	620				23,218		48
	MESAVERDE	0.00						ISDP and 5 min ISDP					26,035								76
																	gal/md-ft	38,000	41,721	lbs sand/md-ft	
		0.56		# of Perfs/stage		40									Flush depth	7487		CBP depth	7,439	48	
							12.4	<< Above pump time (min)													
3	MESAVERDE	0.1949	7236	7238	4	8	Varied	Pump-in test			Slickwater		0	0	0						
	MESAVERDE	0.404	7295	7298	4	12	0	ISIP and 5 min ISIP													
	MESAVERDE	0.0629	7344	7345	4	4	50	Slickwater Pad			Slickwater	5,151	5,151	123	123	15.0%	0.0%	0	0		15
	MESAVERDE	0.2418	7405	7409	4	16	50	Slickwater Ramp	0.25	1.25	Slickwater	9,729	14,879	232	354	28.3%	19.4%	7,297	7,297		29
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	0	14,879	0	354		0.0%	0	7,297		0
	MESAVERDE	0.00					50	Slickwater Ramp	1.25	1.5	Slickwater	9,729	24,608	232	586	28.3%	35.5%	13,377	20,674		0
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	0	24,608	0	586		0.0%	0	20,674		0
	MESAVERDE	0.00					50	Slickwater Ramp	0.5	1.5	Slickwater	0	24,608	0	586		0.0%	0	20,674		0
	MESAVERDE	0.00					50	Slickwater Ramp	1.5	2	Slickwater	9,729	34,337	232	818	28.3%	45.2%	17,025	37,699		0
	MESAVERDE	0.00					50	Flush (4-1/2)				4,724	39,060	112	930				37,699		47
	MESAVERDE	0.00						ISDP and 5 min ISDP					39,060								91
						Look											gal/md-ft	38,000	41,721	lbs sand/md-ft	
		0.90		# of Perfs/stage		40									Flush depth	7236		CBP depth	7,165	71	
							18.6	<< Above pump time (min)													
4	MESAVERDE	0.0222	7034	7036	4	8	Varied	Pump-in test			Slickwater		0	0	0						
	MESAVERDE	0.0689	7040	7041	4	4	0	ISIP and 5 min ISIP													
	MESAVERDE	0.0277	7128	7135	4	28	50	Slickwater Pad			Slickwater	3,119	3,119	74	74	15.0%	0.0%	0	0		9
	MESAVERDE	0.00					50	Slickwater Ramp	0.25	1.25	Slickwater	5,891	9,009	140	215	28.3%	19.4%	4,418	4,418		18
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	0	9,009	0	215		0.0%	0	4,418		0
	MESAVERDE	0.00					50	Slickwater Ramp	1.25	1.5	Slickwater	5,891	14,900	140	355	28.3%	35.5%	8,099	12,517		0
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	0	14,900	0	355		0.0%	0	12,517		0
	MESAVERDE	0.00					50	Slickwater Ramp	0.5	1.5	Slickwater	0	14,900	0	355		0.0%	0	12,517		0
	MESAVERDE	0.00					50	Slickwater Ramp	1.5	2	Slickwater	5,891	20,790	140	495	28.3%	45.2%	10,308	22,826		0
	MESAVERDE	0.00					50	Flush (4-1/2)				4,592	25,382	109	604				22,826		0
	MESAVERDE	0.00						ISDP and 5 min ISDP					25,382								27
																	gal/md-ft	175,000	192,135	lbs sand/md-ft	
		0.12		# of Perfs/stage		40									Flush depth	7034		CBP depth	6,984	50	
							12.1	<< Above pump time (min)													
	Totals	**1.90**				**160**						**Total Fluid**	**116,251**	**gals**	**2,768**	**bbls**		**Total Sand**	**106,558**		
													2,768	**bbls**							
							0.9								**6.2**	**tanks**				**Total Scale Inhib. =**	**320**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: ML 22650
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: UTU63047A
8. WELL NAME and NUMBER: NBU 922-36NT
9. API NUMBER: 4304740118
10 FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 36 9S 22E S
12. COUNTY: UINTAH
13. STATE: UTAH

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER

b. TYPE OF WORK: NEW WELL ☐ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☑ OTHER RECOMPLETE

2. NAME OF OPERATOR: KERR MCGREE OIL & GAS ONSHORE, L.P.

3. ADDRESS OF OPERATOR: P.O.BOX 173779 CITY DENVER STATE CO ZIP 80217
PHONE NUMBER: (720) 929-6100

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: SESW 1118' FSL, 2308' FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH:

14. DATE SPUDDED:	15. DATE T.D. REACHED:	16. DATE COMPLETED:	17. ELEVATIONS (DF, RKB, RT, GL):
9/11/2008	11/23/2008	~~12/23/2008~~ 7/9/10 ABANDONED ☐ READY TO PRODUCE ☑	4997 GL

18. TOTAL DEPTH: MD 8,725 TVD	19. PLUG BACK T.D.: MD 8,678 TVD	20. IF MULTIPLE COMPLETIONS, HOW MANY? *	21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
CBL-CCL-GR-SD/DSN/HRI

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7		40		28			
12 1/4	9 5/8 J-55	36#		2,250		850			
7 7/8"	4 1/2 I-80	11.6#		8,725		1,457			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	8,187							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) MESAVERDE	7,034	7,690		
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
7,034 7,690	0.36	160	Open ☑ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7034 - 7690	PUMP 3,132 BBLS SLICK H2O & 107,835 LBS 30/50 SAND.

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: PROD

RECEIVED
AUG 16 2010
DIV. OF OIL, GAS & MINING

(5/2000) (CONTINUED ON BACK)

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
7/9/2010	7/11/2010	24		0	1,076	432	FLOWING

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
20/64	700	1,100					0	1,076	432	PROD

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
GREEN RIVER	1,235				
BIRD'S NEST	1,429				
MAHOGANY	1,946				
WASATCH	4,232	6,412			
MESAVERDE	6,412	8,725	TD		

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) ANDREW LYTLE TITLE REGULATORY ANALYST

SIGNATURE [signature] DATE 8-6-2010

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-36NT	Spud Conductor: 9/11/2008	Spud Date: 9/23/2008	
Project: UTAH-UINTAH	Site: NBU 922-36NT		Rig Name No: LEED 698/698
Event: RECOMPL/RESEREVEADD	Start Date: 7/1/2010		End Date: 7/8/2010
Active Datum: RKB @5,015.01ft (above Mean Sea Level)	UWI: NBU 922-36NT		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
7/2/2010	7:00 - 17:00	10.00	COMP	30	A	P		7AM [DAY 1] JSA -- MUDDY ROADS RDMO NBU 922-36B. ROAD RIG TO NBU 922-36NT. MIRU, SPOT EQUIPMENT. FCP=75#. BLEW WELL DN. PMP 32 BBLS TMAC DN TBG. [TBG VOLUME] MIRU NALCO. PICKLE TBG W/ 3 BBLS 15% HCL & CHASE W/ 32 BBLS TMAC. RDMO NALCO. R/U FLOOR & TBG EQUIPMENT. EOT @ 8187'. UNLAND TBG. L/D TBG HANGER. POOH STDG BACK 2-3/8" J-55 TBG. L/D BHA. NDBOP, NUFV'S. 5 PM LEAVE WELL OPEN TO SALES. SDF-HOL-WE. PREP TO FRAC W/ FRAC TECH ON 7/6/10
7/6/2010	7:00 -		COMP	37		P		7AM [DAY 2] JSA-- W.L. WORK. FCP=50# MIRU C.H.S. WIRE LINE. RIH W/ GAUGE RING FOR 4-1/2" CSG TO 7771'. TAG LIGHTLY AT SET OF PERFS. POOH & LAY DOWN GAUGE RING. [STG#1] RIH W/ BAKER 10K CBP & SET @ 7720'. POOH & LAY DOWN WIRE LINE TOOLS. MIRU B&C. P.T. CSG & FRAC VALVES TO 6200#. RDMO B&C. RIH W/ PERF GUNS & PERF THE M.V. @ 7584-7690 & 7650-7654 USING 3-3/8" EXP GUNS, 23 GM, 0.36, 4 SPF, 90* PHS, 40 HOLES. WHP=0#. POOH & LAY DOWN WIRE LINE TOOLS. 3 PM SWI-SDFD PREP TO FRAC W/ FRAC TECH IN AM.

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-36NT	Spud Conductor: 9/11/2008	Spud Date: 9/23/2008	
Project: UTAH-UINTAH	Site: NBU 922-36NT		Rig Name No: LEED 698/698
Event: RECOMPL/RESEREVEADD	Start Date: 7/1/2010		End Date: 7/8/2010
Active Datum: RKB @5,015.01ft (above Mean Sea Level)	UWI: NBU 922-36NT		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
7/7/2010	7:00 - 17:00	10.00	COMP	36		P		7AM [DAY 3] JSA-- FRACING MIRU FRAC TECH PRIOR. P.T. SURFACE LINES TO 8000#. [STG#1] WHP=190#. BRK DN PERFS @ 3642 @ 5 BPM. ISIP=2210, FG=.72. CALCULATE 100% 40/40 PERFS OPEN. PMP'D 834 BBLS SLK WTR, 23273# 30/50 TEXAS GOLD SAND W/ 5000# RESIN COAT SLC SAND @ TAIL. ISIP=2216,FG=.72,NPI=6,MP=4815, MR=52, AP=3830, AR=50 BPM. [STG#2] RIH W/ BAKER 8K CBP & PERF GUNS. SET CBP @ 7589'. PERF THE M.V. @ 7553-7559 & 7487-7491 USING 3-3/8" EXP GUNS, 23 GM, 0.36, 4SPF, 90* PHS, 40 HOLES. WHP=329. BRK DN PERFS @ 4006 @ 5 BPM. ISIP=2241, FG=.73. CALC 37/40, 97% PERFS OPEN. PMP'D 667 BBLS SLK WTR, 23,218# 30/50 TEXAS GOLD SAND W/ 5000# SLC @ TAIL. ISIP=2229, FG=.73, NPI=-12, MP=4600, MR=52, AP=3840, AR=51 BPM. [STG#3] RIH W/ BAKER 8K CBP & PERF GUNS. SET CBP @ 7439'. PERF THE M.V. @ 7405-7409, 7344-7345, 7295-7298 & 7236-7238 USING 3-3/8" EXP GUNS, 23 GM, 0.36, 4 SPF, 90* PHS, 40 HOLES. WHP=129. BRK DN PERFS @ 3324 @ 6 BPM. ISIP=2512, FG=.78, CALC 32/40--80% PERFS OPEN. PMP'D 966 BBLS SLK WTR, 38,039# 30/50 TEXAS GOLD SAND W/ 5000# SLC SAND @ TAIL. ISIP=2329, FG=.75, NPI==183, MP=5400, MR=51, AP=4353, AR=50 BPM. [STG#4] RIH W/ BAKER 8K CBP & PERF GUNS. SET CBP @ 7165. PERF THE M.V. @ 7128-7135, 7040-7041, & 7034-7036 USING 3-3/8" EXP GUNS, 23 GM, 0.36, 4SPF, 90* PHS, 40 HOLES. WHP=535. BRK DN PERFS @ 2576 @ 5 BPM. ISIP=1959, FG=.71. CALC 40/40 100% PERFS OPEN. PUMPED 665 BBLS SLK WTR, 23,305# 30/50 TEXAS GOLD W/ 5000# SLC @ TAIL. ISIP=2271, FG=.75, NPI=312, MP=5365, MR=52, AP=3865, AR=51 BPM. [KILL PLUG] RIH W/ BAKER 8K CBP & SET @ 6984'.POOH & L/D WIRE LINE TOOLS. RDMO C.H.S. & FRAC TECH. GRAND TOTAL 30/50 & SLC SAND=108,073# & TOTAL FLUID=3132 BBLS. NDFV'S, NUBOP. R/U FLOOR & TBG EQUIPMENT. P/U 3-7/8" SEALED BRG BIT, POBS W/ XN & RIH OUT OF DERRICK ON 2-3/8" TBG. TAG KILL PLUG. R/U SWVL & RIG PUMP. 5 PM SWI-SDFN. PREP TO D/O PLUGS IN AM & LAND TBG.

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-36NT	Spud Conductor: 9/11/2008	Spud Date: 9/23/2008	
Project: UTAH-UINTAH	Site: NBU 922-36NT		Rig Name No: LEED 698/698
Event: RECOMPL/RESEREVEADD	Start Date: 7/1/2010		End Date: 7/8/2010
Active Datum: RKB @5,015.01ft (above Mean Sea Level)	UWI: NBU 922-36NT		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
7/8/2010	7:00 - 17:00	10.00	COMP	30	B	P		7AM [DAY 4] JSA D/O PLUGS W/ NITROGEN. EOT @ 6984'. ESTABLISH CIRCULATION W/ RIG PUMP. P.T. BOP TO 2500#. MIRU CUDD N2. [DRLG CBP#1] @ 6984', D/O BAKER 8K CBP IN 5 MIN. 150# INC. RIH & C/O 15' SAND TO CBP#2. FCP=150#. [DRLG CBP#2] @ 7165'. D/O BAKER 8K CBP IN 7 MIN. 100# INC. RIH & C/O 25' SAND TO CBP#3. FCP=150#. [DRLG CBP#3] @ 7439'. D/O BAKER 8K CBP IN 8 MIN. 50# INC. RIH & C/O 20' SAND TO CBP#4. FCP=150#. [DRLG CBP#4] @ 7589'. D/O BAKER 8K CBP IN 7 MIN. 50# INC. RIH & C/O 15' SAND TO CBP#5. FCP=150#. [DRLG CBP#5] @ 7720'. D/O BAKER 8K CBP IN 1-1/2 MIN. 0# INC. WELL WENT ON VACUM. R/U CUDD NITROGEN. ESTABLISH CIRCULATION IN 35 MIN. RIH, TAG HARD SCALE @ 8534'. C/O 142' HARD SCALE TO PBTD @ 8676'. CIRCULATE WELL CLEAN. R/D SWVL & CUDD. POOH & L/D 16 JTS ON FLOAT. EOT @ 8187.10' & POBS W/ XN @ 8184.90. AVERAGE 6 MINUTES A PLUG & C/O 75' SAND & 142' HARD SCALE. R/D FLOOR & TBG EQUIPMENT. NDBOP, NUWH. DROP BALL DOWN TBG & PUMP OFF THE BIT @ 1000#. OPEN WELL TO FLOW BACK TANK ON OPEN CHOKE. FTP=0#, SICP=1300#. 2 PM TURN WELL OVER TO DELSCO FBC. LTR @ 2 PM= 2582 BBLS. RACK EQUIPMENT. RDMO. ROAD RIG TO BONANZA 1023-9J. MIRU, SPOT EQUIPMENT.
7/9/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 1200#, TP 500#, 20/64" CK, 25 BWPH, MED SAND, - GAS TTL BBLS RECOVERED: 1021 BBLS LEFT TO RECOVER: 2111
7/10/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 1150#, TP 750#, 20/64" CK, 20 BWPH, MED SAND, - GAS TTL BBLS RECOVERED: 1501 BBLS LEFT TO RECOVER: 1631
7/11/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 1100#, TP 700#, 20/64" CK, 18 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 1933 BBLS LEFT TO RECOVER: 1199
	7:00 -							WELL IP'D ON 7/11/10- 1076 MCFD, 0 BOPD, 432 BWPD, CP 1100#, FTP 700#, CK 20/64", LP 113#, 24 HRS
7/12/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 950#, TP 625#, 20/64" CK, 9 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 2200 BBLS LEFT TO RECOVER: 932

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22650

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 922-36NT

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047401180000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6515 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1118 FSL 2308 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 36 Township: 09.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 8/1/2011	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	✓ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator requests authorization to temporarily abandon the subject well location. The operator proposes to temporarily abandon the well to drill the NBU 922-36N Pad, which consists of the following wells: NBU 922-36M1CS, NBU 922-36M4CS, NBU 922-36N1BS, NBU 922-36N4CS, and NBU 922-36O4CS. Please see attached procedures.

Approved by the Utah Division of Oil, Gas and Mining

Date: 08/16/2011

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Gina Becker	720 929-6086	Regulatory Analyst II
SIGNATURE N/A		**DATE** 8/1/2011

RECEIVED Aug. 01, 2011

Well Name: NBU 922-36NT 7/29/11
Surface Location: SESW Sec. 36, T9S, R22E
Uintah County, UT

API: 4304740118 **LEASE#:** ML-22650

ELEVATIONS: 4997' GL 5015' KB

TOTAL DEPTH: 8725' **PBTD:** 8678'

SURFACE CASING: 9 5/8", 36# J-55 @ 2250'

PRODUCTION CASING: 4 1/2", 11.6# I-80 @ 8725'
TOC @ Surface per CBL

PERFORATIONS: MESAVERDE 7034' – 8644'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.0217	0.0039
4.5" 11.6# N-80	3.875	6350	7780	0.6528	0.0872	0.0155
9.625" 36# K-55	8.921	2020	3520	3.247	0.434	0.0773
Annular Capacities						
2.375" tbg. X 4 ½" 11.6# csg				0.4227	0.0565	0.0101
4.5" csg X 9 5/8" 36# csg				2.227	0.2977	0.053
4.5" csg X 7.875 borehole				1.704	0.2276	0.0406
9 5/8" csg X 12 1/4" borehole				2.3436	0.3132	0.0558

GEOLOGICAL TOPS:
4232' Wasatch
6412' Mesaverde

Recommended future action for disposition of well bore:
Temporarily abandon the wellbore during the drilling and completion operations of the NBU 922-36N pad wells. Return to production as soon as possible once completions are done.

RECEIVED Aug. 01, 2011

NBU 922-36NT TEMPORARY ABANDONMENT PROCEDURE

GENERAL

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDE. PREMIX 5 GALLONS PER 100 BBLS FLUID.
- NOTIFY BLM 24 HOURS BEFORE MOVING ON LOCATION.

PROCEDURE

Note: An estimated 24 sx Class "G" cement needed for procedure

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.

2. RU WIRELINE. ENSURE WELLBORE IS CLEAN. **A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.**

3. **PLUG #1, ISOLATE MV PERFORATIONS (7034' – 8644'):** RIH W/ 4 ½" CBP. SET @ ~6980'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF **8 SX/ 1.6 BBL/ 8.72 CUFT**. ON TOP OF PLUG. PUH ABOVE TOC (~6880'). REVERSE CIRCULATE W/ TREATED FRESH WATER.

4. **PLUG #2, PROTECT TOP OF WASATCH (4232'):** PUH TO ~4340'. BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF **16 SX / 3.3 BBL / 18.3 CUFT** AND BALANCE PLUG W/ TOC @ ~4130' (210' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.

5. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER BLM GUIDELINES.

6. RDMO. TURN OVER TO DRILLING OPERATIONS.

ALM 7/28/11

RECEIVED Aug. 01, 2011

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
ML-22650

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:
NATURAL BUTTES

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
NBU 922-36NT

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
43047401180000

3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6515 Ext

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1118 FSL 2308 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SESW Section: 36 Township: 09.0S Range: 22.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 9/16/2011	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	✓ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator has concluded the temporary abandonment operations on the subject well location on 09/16/2011. This well has been temporarily abandoned in order to drill the NBU 922-36N pad wells. Please see the attached chronological well history for detail. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jaime Scharnowske	720 929-6304	Regulartory Analyst
SIGNATURE		**DATE**
N/A		9/20/2011

RECEIVED Sep. 20, 2011

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-36NT	Spud Conductor: 9/11/2008	Spud Date: 9/23/2008
Project: UTAH-UINTAH	Site: NBU 922-36N PAD	Rig Name No: MILES 2/2
Event: ABANDONMENT	Start Date: 9/12/2011	End Date: 9/16/2011
Active Datum: RKB @5,015.00ft (above Mean Sea Leve	UWI: NBU 922-36NT	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
9/15/2011	7:00 - 7:30	0.50	ABAND	48		P		MIRU
	7:30 - 17:30	10.00	ABAND	31		P		MIRU, KILL WELL, NDWH, NU BOP'S, SCAN TBG OOH, RU CUTTERS, SET CIBP 6970', TIH 222 JTS TBG, TO 6946' BREAK CIRC WITH TREATED T-MAC, PRESSURE TEST TO 500# 5 MIN, SWIFN
9/16/2011	7:00 - 7:30	0.50	ABAND	48		P		CEMENTING
	7:30 - 15:00	7.50	ABAND	51		P		SN, SLIDING SLEEVE AND BIT ON BHA. POOH, LAY DWN 84 JTS TO 4340', RU PRO PETRO, SET 20SX CEMENT PLUG, CLASS G 1.145 YIELD, 4.9 GW/SX, 15.8 DENISTY, PUMP 2.6 BBLS FRESH, 4.1 BBLS CEMENT, 1 BBL FRESH, 14.6 BBLS T-MAC FOR DISPLACEMENT. RD PRO PETRO, POOH LD 138 JTS TBG, ND BOP'S, CALL FMC TO PULL WH, RDMO TO NBU 922-36I N 39 DEGREES 59' 34.1" W 109 DEGREES 23' 14.4" ELEV 4973